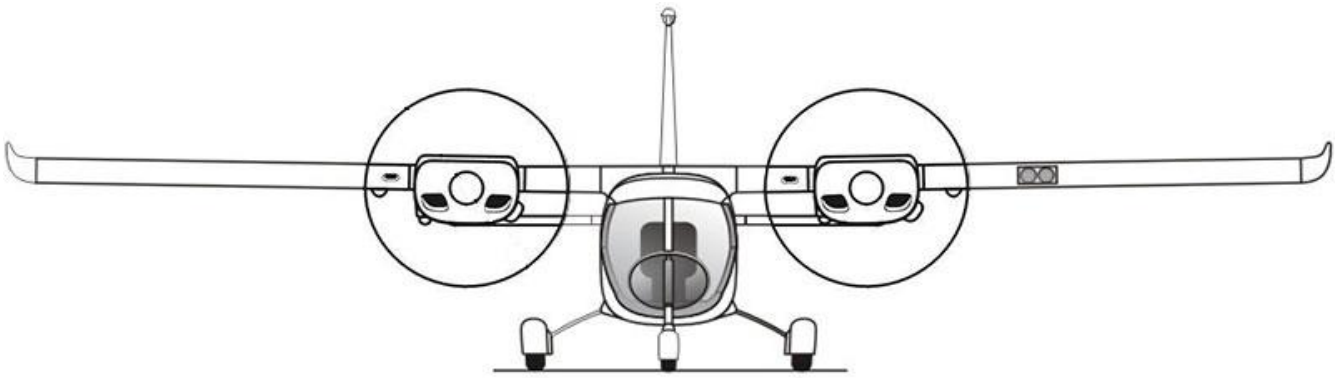
UNITED STATES
DEPARTMENT OF THE INTERIOR



PARTENAVIA
P68TC OBSERVER
P68 OBSERVER 2

SCHEDULED MAINTENANCE CHECKS

NOTE: THE INSPECTION WORK SHEETS / PACKAGES IN THIS DOCUMENT ARE FOR THE 'UNITED STATES DEPARTMENT OF THE INTERIOR' AIRCRAFT ONLY.

UNITED STATES

DEPARTMENT OF THE INTERIOR

PARTENAVIA P68 OBSERVER SERIES

SCHEDULED MAINTENANCE CHECKS

UNITED STATES

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PARTENAVIA P68 OBSERVER SERIES

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SCHEDULED MAINTENANCE CHECKS

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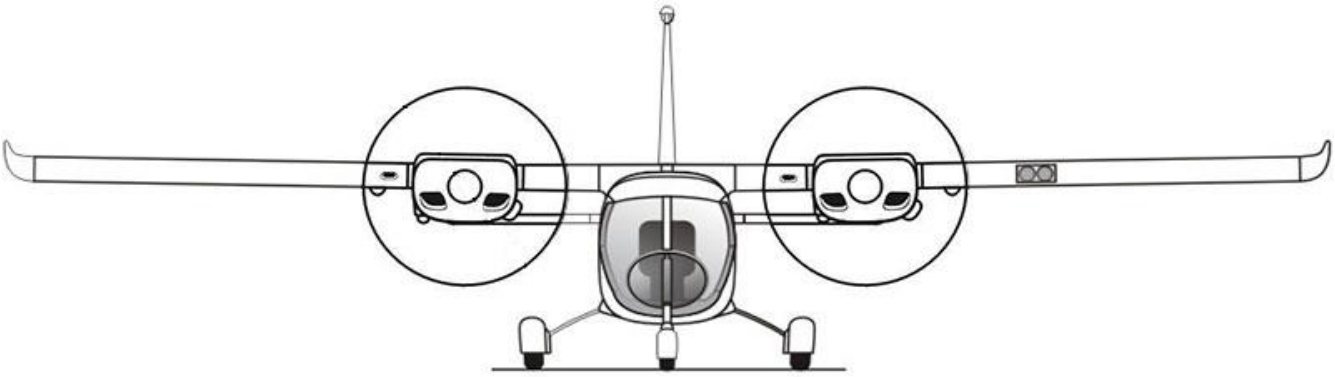


PARTENAVIA
P68TC OBSERVER
P68 OBSERVER 2

SCHEDULED MAINTENANCE CHECKS

NOTE: THE INSPECTION WORK SHEETS / PACKAGES IN THIS DOCUMENT ARE FOR THE 'UNITED STATES DEPARTMENT OF THE INTERIOR' AIRCRAFT ONLY.

This Partenavia P68TC Observer and P68 Observer 2 inspection program document has been compiled to meet or exceed the requirements of the Department of the Interior - Departmental Manual (Aviation Policy) and Code of Federal Regulations, Title 14, Chapter 1, Subchapter C, Part 43 Appendix D. – 'Scope and detail of items (as applicable to the particular aircraft) to be included in Annual and 100 Hour Inspections'. FAR Part 43.15 (c) provides the authority for Dept. of the Interior as owner/operator to issue a checklist of its own design to comply with or exceed the contents of FAR Part 43 Appendix D. Dept. of the interior has incorporated and/or condensed all line items from the relevant P68 series Maintenance Manuals to include inspections based on hours, annual, and multi-year based structural inspections. Compilation of this document was carried out by Turbo Air Inc. of 4000 S. Orchard St. Boise Idaho 83705 for the Department of the Interior (Office of Aviation Services) 300 E Mallard Drive. Ste 200 Boise, Idaho 83705. Under the guidance of Part 91.403, 405, 409, 415 and Part 43.15(a) (1) & (c) FAA approval is not required (or offered) for issue of this document. This is a controlled document and amendment status shall be updated on the record of revisions page.

Personnel carrying out maintenance on Dept. of the Interior aircraft and using this inspection program must ensure that by signing for the listed tasks, they have complied with the latest revision of CFR Part 43 Appendix D.

This is to certify that the contents of this inspection program have been condensed from the relevant Partenavia P68 series Inspection programs and meets or exceeds the requirements of CFR Part 43 Appendix D at the time of writing.

General Manager, Turbo Air Inc. Date 6/20/2016

Fleet Manager, U.S. Dept. of the Interior (Office of Aviation Services) Date 6/20/2016

DOI - PARTENAVIA P68 OBSERVER SERIES
RECORD OF REVISIONS

REVISION No.	PAGE NUMBER	ISSUE DATE	INSERTION DATE	INSERTED BY	REMOVAL DATE	REMOVED BY

DOI - PARTENAVIA P68 OBSERVER SERIES
RECORD OF TEMPORARY REVISIONS

REVISION No.	PAGE NUMBER	ISSUE DATE	INSERTION DATE	INSERTED BY	REMOVAL DATE	REMOVED BY

INSTRUCTIONS

DOI – PARTENAVIA P68 OBSERVER SERIES – SCHEDULED MAINTENANCE CHECKS

THE INSPECTION WORK SHEETS / PACKAGES IN THIS DOCUMENT ARE FOR THE 'UNITED STATES DEPARTMENT OF THE INTERIOR' AIRCRAFT ONLY.

Explanation of Terms

Hourly Inspections

50Hr Inspection	Every 50Hrs		
100Hr Inspection	Every 100 Hrs.	Includes	50 Hr. Inspection
200 Hr. Inspection	Every 200 Hrs.	Includes	50 Hr. & 100 Hr. Inspections
Annual Inspection	Every 12 Months	Includes	50 Hr., 100 Hr., & 200 Hr. Inspections
500 Hr. Inspection	Every 500 Hrs.		
1000 Hr. Inspection	Every 1000 Hrs.		
2 Year Inspection	Every 2 Years		
3 year Inspection	Every 3 Years		

Inspection Intervals

Hourly: All required inspections may be completed up to +10% percent of their due time (i.e.: A 50 hour inspection may be completed between 50 and 55 hours time in service). Flight beyond the due time must be approved by the administrator. Flight beyond the 10 % limit is not permitted for any reason.

All inspections shall be done at the next standard interval (i.e.: 50hrs) from when the previous inspection was due provided that inspection was completed within the +10% time due. The 50 hr. check is due at 50 hrs. and the next is due at 100hrs. All inspections will be handled as described above. The +10% is to be used primarily for ferry flights to where maintenance can be performed.

Calendar: All required inspections may be completed up to their calendar due time. Flight beyond the calendar time is not permitted for any reason.

Note: Selected items that are normally controlled separately (on computer) (i.e.: overhauls, component function checks, etc.) have been omitted from this inspection work package and must be controlled separately. See computerized maintenance program for “Controlled Items”.

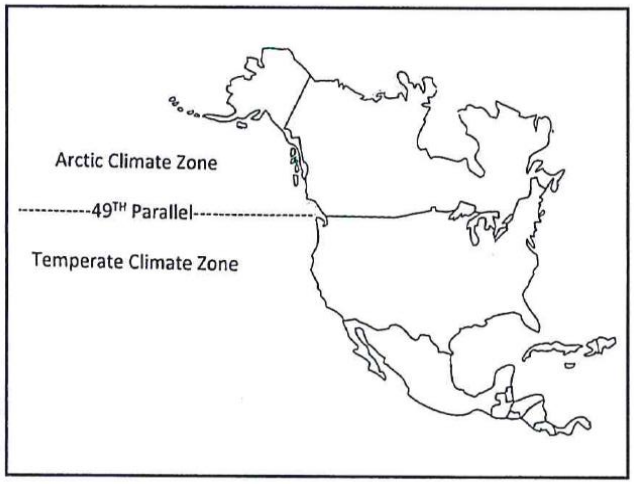
Note: This inspection package must be updated as new revisions to the maintenance program are issued.

Inspections: To be completed in accordance with this manual.

Repairs: To be completed in accordance with the appropriate Partenavia Maintenance Manual.

Climate Zone Supplemental Inspections and Servicing

Before commencing inspection and servicing, it must be confirmed which climate zone the subject aircraft is operated in. If the aircraft is above the 49th parallel it is in the Arctic Zone. If the aircraft is below the 49th parallel it is in the Temperate zone. The extra line items listed for the appropriate climate zone shall be added to the servicing, the not applicable climate zone line items shall be noted as N/A in the sign-off block.



Dept. of the Interior Climate Zone Map

Acronyms in use

IAW - In Accordance With

CPCP - Corrosion Prevention and Control Program

NDI - Non Destructive Inspection

ICA - Inspection for Continued Airworthiness

STC - Supplemental Type Certificate

PSE - Principle Structural Element

N/A - Not Applicable (see MECH Block D above)

OEM - Original Equipment Manufacturer

Inspection Sheet - Block Explanation

Example

ACFT TYPE		EXAMPLE INSPECTION REQUIREMENTS	MECH	INSP
ALL	1	BATTERY - Check electrolyte & general condition & security. Check cables for corrosion, condition & security.		
OBSERVER	2	ENGINE AIR INTAKE SYSTEM - Inspect all components for security, wear and any deformation. Replace air intake filter P/N BA-161.	N/A	
OBSERVER 2	3	EXHAUST SYSTEM - Check attaching flanges at exhaust parts on cylinder for evidence of leakage.		
A	**B**	**C**	**D**	**E**

Block A
ALL - All Partenavia P68 Series Aircraft
OBSERVER - P68TC Observer
OBSERVER 2 - P68 Observer 2

Block B Each inspection and task is given a line item number in the 2nd column.

Block C Describes inspection tasks.

Block D Mechanic sign-off block. N/A (Not Applicable) - should be used if the inspection cannot or should not be carried out due to (but not limited to) - 1. Serial number range. 2. Unit or option not installed on aircraft. 3. Previously complied with. 4. Climate zone applicability. A note beside the N/A to indicate the reason for it is recommended.

Block E The (white) INSP block should be initialed by an inspector who witnessed the task carried out by the mechanic and completed a final inspection and/or functional check in accordance with the line item requirements and relevant technical publications. The inspector shall not initial the INSP block until after the mechanic has initialed the MECH block. In a block that requires a Maintenance Inspector, he shall initial the white INSP block whenever N/A has been entered in the MECH block.

UNITED STATES DEPARTMENT OF THE INTERIOR

PARTENAVIA P68 SERIES

50 HOUR SCHEDULED MAINTENANCE CHECKS

THE INSPECTION WORK SHEETS / PACKAGES IN THIS DOCUMENT ARE FOR THE 'UNITED STATES DEPARTMENT OF THE INTERIOR' AIRCRAFT ONLY.

Inspection Sheet - Block Explanation

Example

ACFT TYPE		EXAMPLE INSPECTION REQUIREMENTS	MECH	INSP
ALL	1	BATTERY - Check electrolyte & general condition & security. Check cables for corrosion, condition & security.		
OBSERVER	2	ENGINE AIR INTAKE SYSTEM - Inspect all components for security, wear and any deformation. Replace air intake filter P/N BA-161.	N/A	
OBSERVER 2	3	EXHAUST SYSTEM - Check attaching flanges at exhaust parts on cylinder for evidence of leakage.		
A	**B**	**C**	**D**	**E**

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Block E
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Inspections: To be completed in accordance with this manual.

Repairs: To be completed in accordance with the appropriate Partenavia Maintenance Manual.

Acronyms in use

IAW - In Accordance With
CPCP - Corrosion Prevention and Control Program
NDI - Non Destructive Inspection
ICA - Inspection for Continued Airworthiness
STC - Supplemental Type Certificate
PSE - Principle Structural Element
N/A - Not Applicable (see MECH Block D above)
OEM - Original Equipment Manufacturer

DOI - PARTENAVIA P68 SERIES - 50 HOUR INSPECTION

'N' NUMBER:_____ MODEL: _____ AIRCRAFT S/N:_____

TACH HOURS:_____ AIRCRAFT TOTAL TIME:_____ ENG. SMOH:_____ PROP SMOH:_____

ACFT TYPE		SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES	MECH	INSP
ALL	1	MANUFACTURE SERVICE BULLETINS - Check that all Bulletins complied with, at the governments request, are documented into the aircraft log books.		
ALL	2	AIRWORTHINESS DIRECTIVES - Check that all AD's have been complied with or determined to be not applicable and documented into the aircraft log books as such.		
ALL	3	LOG BOOK ENTRIES / FORM 337 / WEIGHT AND BALANCE - Ensure all maintenance record entries required by Federal Aviation Regulations are completed prior to returning the aircraft to service.		

ACFT TYPE		AIRFRAME	MECH	INSP
ALL	4	BATTERY - Check electrolyte & general condition & security. Check cables for corrosion, condition & security.		
ALL	5	MAIN AND NOSE LANDING GEAR ASSY - Check for condition.		
ALL	6	WHEELS AND TIRES - Check for wear, condition & tire pressure.		

ACFT TYPE		ENGINE GROUP	MECH		INSP
			LEFT	RIGHT	
OBSERVER	7	ENGINE AIR INTAKE SYSTEM - Inspect all components for security, wear and any deformation. Replace air intake filter P/N BA-161.			
OBSERVER 2	8	EXHAUST SYSTEM - Check attaching flanges at exhaust parts on cylinder for evidence of leakage.			
ALL	9	FLEXIBLE FUEL AND OIL LINES - Check fuel lines under pressure. Check for deterioration, leaks, discoloration & condition.			
ALL	10	INDUCTION AIR FILTER - Clean, replace if required.			
ALL	11	ENGINE OIL AND FILTER - Drain oil sump, remove oil filter, cut open filter & element, inspect for metal. Inspect & clean suction screen. Install new filter & service with appropriate grade & quantity oil.			
ALL	12	ENGINE CYLINDERS, ROCKER BOX COVERS AND PUSHROD HOUSINGS - Check for fin damage, cracks, oil leakage, security of attachment & general condition.			
ALL	13	IGNITION HARNESS AND INSULATORS - Check for security, proper routing, deterioration & condition of terminals.			
ALL	14	SPARK PLUG LEADS OF CABLE - Examine for corrosion and deposits.			
ALL	15	ENGINE CONTROLS - Inspect control cables for travel, security, condition & operation.			

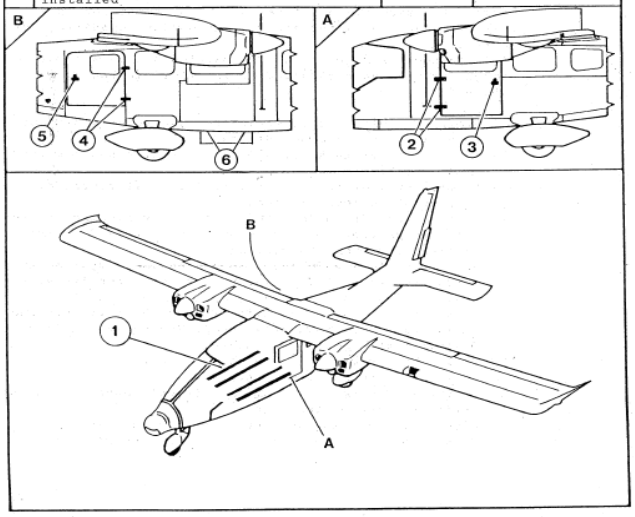
ACFT TYPE		AIR CONDITIONING SYSTEM (If installed)	MECH	INSP
OBSERVER 2	16	COOLING SYSTEM - Check cowlings and baffles for damage and security of attachment.		

ACFT TYPE		LUBRICATION	MECH	INSP
ALL	17	LUBRICATION - As per lubrication chart "AS REQUIRED/NECESSARY" Frequency.		

DOI - PARTENAVIA P68 SERIES - 50 HOUR INSPECTION

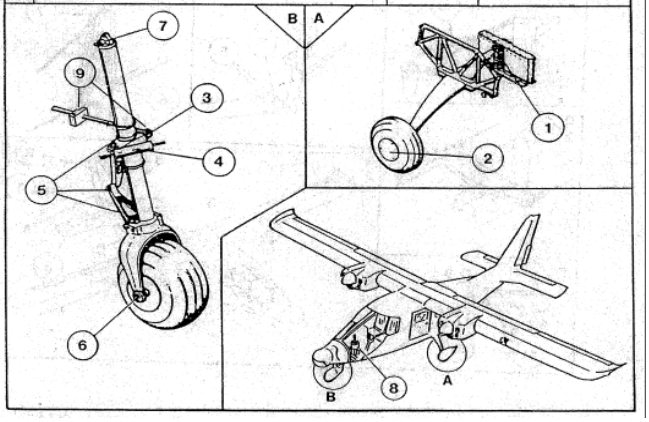
LUBRICATION CHARTS (Cabin Door, Baggage Door & Seats)

No.	LUBRICATION POINTS	FREQUENCY	INSTRUCTION
1	Seat adjustment	As necessary	Hand Lubrication
2	Main door hinges	"	"
3	Latch mechanism	"	"
4	Baggage door hinges	"	"
5	Latch mechanism	"	"
6	Hatch doors and latch mechanism if installed	"	"



LUBRICATION CHARTS (Landing Gear)

No.	LUBRICATION POINTS	FREQUENCY	INSTRUCTION
1	Main gear attachment bracket	500 HRS	Hand Lubrication
2	Main gear wheel bearings	100 HRS	Hand Lubrication
3	Nose gear steering lever	100 HRS	Gease gun Lubrication
4	Shimmy dampener	100 HRS	Hand Lubrication
5	Torque link	100 HRS	Grease gun Lubrication
6	Nose gear wheel bearings	100 HRS	Hand Lubrication
7	Nose gear strut filler point	As required	Filling
8	Brake cylinders	200 HRS	Check and refill if necessary
9	Steering disconnect	100 HRS	Grease gun Lubrication



DOI - PARTENAVIA P68 SERIES - 50 HOUR INSPECTION

ZONE	ACFT TYPE		SUPPLEMENTAL 50 HOUR INSPECTION REQUIREMENTS	MECH	INSP
ARCTIC		18			
ARCTIC		19			
ARCTIC		20			
ARCTIC		21			
ARCTIC		22			
ARCTIC		23			
ARCTIC		24			
ARCTIC		25			
ARCTIC		26			
ARCTIC		27			
ARCTIC		28			
ARCTIC		29			
ARCTIC		30			
ARCTIC		31			
TEMPERATE		32			
TEMPERATE		33			
TEMPERATE		34			
TEMPERATE		35			
TEMPERATE		36			
TEMPERATE		37			
TEMPERATE		38			
TEMPERATE		39			
TEMPERATE		40			
TEMPERATE		41			
TEMPERATE		42			
TEMPERATE		43			
TEMPERATE		44			
TEMPERATE		45			
TEMPERATE		46			
	ALL	47	All panels opened for the inspection are closed and secure.		
	ALL	48	Run aircraft engine and leak check.		

DOI - PARTENAVIA P68 OBSERVER SERIES - 50 HOUR INSPECTION

NOTES:

ASSURE PROPER MAINTENANCE RECORD ENTRIES HAVE BEEN MADE IAW 14 CFR 43.9

THE AIRCRAFT RECORDS CONSIST OF THE FOLLOWING;

1. AIRCRAFT, ENGINE & PROPELLER HARD LOGS.
2. ALL FORM 337'S, MAJOR REPAIR & ALTERATION.
3. COMPLIANCE LIST OF ALL PERTINENT AIRWORTHINESS DIRECTIVES.
4. MAINTENANCE SCHEDULE- LIST OF REQUIRED SPECIAL INSPECTIONS, COMPONENT OVERHAUL & TIME-LIFE LIMITS.
5. CURRENT & HISTORICAL WEIGHT & BALANCE STATUS & EQUIPMENT LIST
7. MINIMUM EQUIPMENT LIST AS REQUIRED.
8. SPECIAL FLIGHT AUTHORIZATIONS AND/OR SUPPLEMENTS

UNITED STATES DEPARTMENT OF THE INTERIOR

PARTENAVIA P68 SERIES

100 HOUR SCHEDULED MAINTENANCE CHECKS

100 HOUR INSPECTION INCLUDES 50 HOUR INSPECTIONS

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Inspection Sheet - Block Explanation

Example

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ALL	1	BATTERY - Check electrolyte & general condition & security. Check cables for corrosion, condition & security.		
OBSERVER	2	ENGINE AIR INTAKE SYSTEM - Inspect all components for security, wear and any deformation. Replace air intake filter P/N BA-161.		
OBSERVER 2	3	EXHAUST SYSTEM - Check attaching flanges at exhaust parts on cylinder for evidence of leakage.	N/A	
A	**B**	**C**	**D**	**E**

Block A ALL - All Partenavia P68 Series Aircraft
OBSERVER - P68TC Observer
OBSERVER 2 - P68 Observer 2

Block B Each inspection and task is given a line item number in the 2nd column.

Block C Describes inspection tasks.

Block D Mechanic sign-off block. N/A (Not Applicable) - should be used if the inspection cannot or should not be carried out due to (but not limited to) - 1. Serial number range. 2. Unit or option not installed on aircraft. 3. Previously complied with. 4. Climate zone applicability. A note beside the N/A to indicate the reason for it is recommended.

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CPCP - Corrosion Prevention and Control Program
NDI - Non Destructive Inspection
ICA - Inspection for Continued Airworthiness
STC - Supplemental Type Certificate
PSE - Principle Structural Element
N/A - Not Applicable (see MECH Block D above)
OEM - Original Equipment Manufacturer

DOI - PARTENAVIA P68 OBSERVER SERIES - 100 HOUR INSPECTION

100 HOUR INSPECTION INCLUDES 50 HOUR INSPECTIONS

'N' NUMBER:_____ MODEL: _____ AIRCRAFT S/N:_____

TACH HOURS:_____ AIRCRAFT TOTAL TIME:_____ ENG. SMOH:_____ PROP SMOH:_____

ACFT TYPE		SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES	MECH	INSP
ALL	1	MANUFACTURER SERVICE BULLETINS - Check that all Bulletins complied with, at the governments request, are documented into the aircraft log books.		
ALL	2	AIRWORTHINESS DIRECTIVES - Check that all AD's have been complied with or determined to be not applicable and documented into the aircraft log books as such.		
ALL	3	Inspect aircraft records to verify that all applicable ICAs are complied with.		
ALL	4	LOG BOOK ENTRIES / FORM 337 / WEIGHT AND BALANCE - Ensure all maintenance record entries required by Federal Aviation Regulations are completed prior to returning the aircraft to service.		

ACFT TYPE		AIRFRAME	MECH	INSP
ALL	5	Each person performing this inspection shall, before that inspection, remove or open all necessary inspection plates, access doors. Fairing, and cowling. He shall thoroughly clean the aircraft and aircraft engine.		
ALL	6	WINDSHIELD AND WINDOWS - Check for crazing, excessive scratches & general condition.		
ALL	7	CABIN DOORS - Check for condition, operation & latch adjustment.		
ALL	8	EMERGENCY EXIT - Check for condition, security & operation.		
ALL	9	TRIM SYSTEM - Check for condition, operation, travel and correct indication.		
ALL	10	FUEL SELECTOR TRANSMITTER - Check for condition & operation.		
ALL	11	BRAKE CYLINDER RESERVOIR - Check fluid level.		
ALL	12	INSTRUMENT AND INTERIOR LIGHTS - Check lights for operation.		
ALL	13	INSTRUMENTS - Check for condition & marking.		
ALL	14	RADIO AND NAVIGATION SYSTEMS - Check for condition & security.		
ALL	15	RADIO WIRING AND CONDUITS - Check for improper routing, insecure mounting, and obvious defects.		
ALL	16	RADIO BONDING AND SHIELDING - Check for improper installation and poor condition.		
ALL	17	RADIO ANTENNA (Including Trailing Antenna) - Check for poor condition, insecure mounting, and improper operation.		
ALL	18	WARNING PANEL - Check for condition.		
ALL	19	SWITCHES - Check for security & interference.		
ALL	20	EMERGENCY LOCATOR TRANSMITTER - Check for condition, security. **Check operation IAW FAR 91.207(d) every 12 months**. Battery due date_____		
ALL	21	PLACARDS AND DECALS - Check for presence & legibility of all required placards.		
ALL	22	BATTERY - Check electrolyte & general condition & security. Check cables for corrosion, condition & security.		
ALL	23	BATTERY CABLES - Check for corrosion, condition and security.		
ALL	24	POWER CABLES - Check for condition, integrity of sheath, connection & proper fastening of connection.		
ALL	25	VOLTAGE REGULATORS AND THEIR ASSOCIATED WIRINGS - Check for general condition, security of electrical connections and physical connection to the aircraft.		
ALL	26	FUEL SELECTOR RECEIVER - Check for condition & operation.		
ALL	27	METAL LEADING EDGE - Check for cracks, condition & attachment.		
ALL	28	LOW PRESSURE FUEL FILTER NV7.003-45 - Check filter screen and clean if necessary(or replace it if damaged).		

DOI - PARTENAVIA P68 OBSERVER SERIES - 100 HOUR INSPECTION

ACFT TYPE		AIRFRAME CONTINUED	MECH	INSP
ALL	29	LOW PRESSURE FUEL FILTER NV7.003-45 - Check the condition of the O-Rings and replace if necessary.		
ALL	30	LOW PRESSURE FUEL FILTER NV7.003-45 - Check filter parts for damage, crack and corrosion.		
ALL	31	LOW PRESSURE FUEL FILTER NV7.003-45 - Check for fuel leaks.		
ALL	32	NAVIGATION LIGHTS - Check lights for operation.		
ALL	33	SHIMMY DAMPENER - Check for condition.		
ALL	34	MAIN AND NOSE LANDING GEAR ASSY - Check for condition.		
ALL	35	WHEELS AND TIRES - Check for wear, condition & tire pressure.		
ALL	36	BRAKE LININGS - Check for wear.		
ALL	37	FUSELAGE AND HULL SYSTEMS AND COMPONENTS - Check for improper installation, apparent defects, and unsatisfactory operation.		
ALL	38	CABIN AND COCKPIT - Check for general uncleanliness and loose equipment that might foul the controls.		
ALL	39	CABIN AND COCKPIT SYSTEMS - Check for improper installation, poor general condition, apparent and obvious defects, and insecurity of attachment.		

ACFT TYPE		FLIGHT CONTROLS	MECH	INSP
ALL	40	AUTOPILOT (If installed) - Check cables, pulleys & turnbuckles for tension, condition, operation & security.		

ACFT TYPE		PROPELLER	MECH		INSP
			LEFT	RIGHT	
ALL	41	BLADES - Check for nicks, cracks & scratches.			
ALL	42	PROPELLER SPINNERS - Wash, check for cracks and fractures.			
ALL	43	PROPELLER MOUNTING - Check nuts for security & lock wire.			
ALL	44	PROPELLER AIR PRESSURE - Check for proper pressure.			
ALL	45	DE-ICE SYSTEM ELECTRICAL LEADS AND BRUSHES - Check for condition, security, wear & seating of brushes.			
ALL	46	PROPELLER CONTROL MECHANISMS - Check for improper operation, insecure mounting and restricted travel.			

ACFT TYPE		ENGINE GROUP	MECH		INSP
			LEFT	RIGHT	
ALL	47	ALTERNATE AIR SOURCE AND BOXES - Check for condition & obstructions. Check that valve swings freely and seals tightly.			
ALL	48	ENGINE BREATHER TUBES - Inspect for obstruction, chaffing & security.			
OBSERVER	49	ENGINE AIR INTAKE SYSTEM - Inspect all components for security, wear and any deformation. Replace air intake filter P/N BA-161.			
ALL	50	EXHAUST PIPES, MUFFLER AND HEAT EXCHANGER (As applicable) - Inspect for cracks, bulges, condition & security. Remove shrouds & inspect.			
OBSERVER 2	51	EXHAUST SYSTEM - Check attaching flanges at exhaust parts on cylinder for evidence of leakage.			
ALL	52	CABIN HEATING AIR HOSES (As applicable) - Check for condition.			
ALL	53	FLEXIBLE FUEL AND OIL LINES - Check fuel lines under pressure. Check for deterioration, leaks, discoloration & condition.			
ALL	54	AIR INLET DUCT SLEEVE - Check for condition.			
ALL	55	INDUCTION AIR FILTER - Clean, replace if required.			

DOI - PARTENAVIA P68 OBSERVER SERIES - 100 HOUR INSPECTION

ACFT TYPE		ENGINE GROUP CONTINUED	MECH		INSP
			LEFT	RIGHT	
ALL	56	OIL COOLER - Clean external surface & check fins.			
ALL	57	ALTERNATOR MOUNT AND DRIVE BELT - Check for condition, security, wiring & belt tension.			
ALL	58	ENGINE AND ACCESSORIES - Clean engine, check for security and mounting of accessories.			
OBSERVER	59	ENGINE OIL SAMPLE - Take oil sample.			
ALL	60	ENGINE OIL - Change.			
ALL	61	ENGINE OIL AND FILTER - Drain oil sump, remove oil filter, cut open filter & element, inspect for metal. Inspect & clean suction screen. Install new filter & service with appropriate grade & quantity oil.			
ALL	62	ENGINE WIRING AND GROUNDS - Check condition, routing & connections.			
ALL	63	ENGINE CYLINDERS, ROCKER BOX COVERS AND PUSHROD HOUSINGS - Check for fin damage, cracks, oil leakage, security of attachment & general condition.			
OBSERVER	64	ENGINE BAFFLES AND SEALS - Check condition & security of attachment.			
ALL	65	CYLINDER - Check visually for cracked or broken fins.			
ALL	66	CYLINDER COMPRESSION - Perform differential compression test & record. Inspect for exhaust valve leakage.			
		LH ENG #1-_____ #2-_____ #3-_____ #4-_____ #5-_____ #6-_____			
		RH ENG #1-_____ #2-_____ #3-_____ #4-_____ #5-_____ #6-_____			
ALL	67	MAGNETOS - Check external condition, security & electrical leads for condition. Check timing to engine. Check magneto internal timing if engine timing requires adjustment more than two degrees.			
ALL	68	IGNITION HARNESS AND INSULATORS - Check for security, proper routing, deterioration & condition of terminals.			
ALL	69	SPARK PLUGS - Remove, clean, analyze, gap, test & reinstall in rotation.			
ALL	70	SPARK PLUG LEADS OF CABLE - Examine for corrosion and deposits.			
ALL	71	FUEL INJECTION SYSTEM (If equipped)- Check fuel injector nozzles for looseness, (60"lbs.) Check for leakage, security of lines IAW **AD 2011-26-04 (SB 342E).**			
ALL	72	ENGINE MOUNTS AND BOLTS - Check mount for condition, cracks & security of attachment. Check mount bolts & bushings for security & wear.			
OBSERVER	73	AIR DUCTING AND CONNECTIONS IN TURBOCHARGER SYSTEM - Inspect for leaks. Check at manifold connections to turbine inlet & at engine exhaust manifold gasket for possible leakage.			
OBSERVER	74	TURBOCHARGER - Check for dirt or dust build-up within turbocharger. Check for uneven deposits on the impeller. Check fluid lines & mounting brackets for leaks tightness or damage.			
OBSERVER	75	TURBOCHARGER ACTUATOR - Check the linkage for dirt or interference which may impair operation. Check the vent line for leakage.			
OBSERVER	76	ENGINE NACELLE - Inspect engine mount / wing attach bracket structure.			
ALL	77	ENGINE CONTROLS - Inspect control cables for travel, security, condition & operation.			
ALL	78	ENGINE AND NACELLE SYSTEMS - Check for improper installation, poor general condition, defects, and insecure attachment.			

ACFT TYPE		HEATING SYSTEM - JANITROL (If installed)	MECH	INSP
ALL	79	VENTILATION AIR AND COMBUSTION AIR INLETS AND OUTLETS - Inspect for restriction & security on the aircraft skin line.		
ALL	80	DRAIN LINE - Check if free of obstructions.		
ALL	81	FUEL LINES - Check for security at joints & shrouds & evidence of leakage.		

DOI - PARTENAVIA P68 OBSERVER SERIES - 100 HOUR INSPECTION

ACFT TYPE		HEATING SYSTEM - JANITROL (If installed) CONTINUED	MECH	INSP
ALL	82	ELECTRICAL WIRING - Inspect terminal block& components for loose connections, chafing of insulation & security of attach points.		
ALL	83	HI-VOLTAGE CABLE - Inspect cable sheath for arcing & igniter for security.		
ALL	84	HI-VOLTAGE CABLE - Examine the cable sheath for any possible indication of arcing.		
ALL	85	COMBUSTION AIR BLOWER ASSEMBLY - Inspect for security of mounting; security of connection tubing and wiring.		

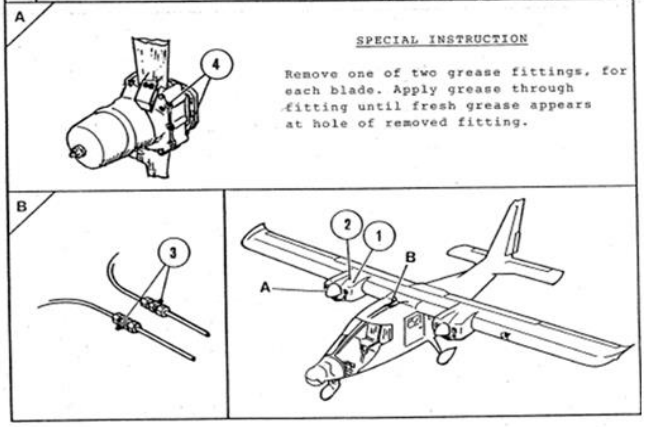
ACFT TYPE		AIR CONDITIONING SYSTEM (If installed)	MECH	INSP
OBSERVER 2	86	COOLING SYSTEM - Check cowlings and baffles for damage and security of attachment.		
ALL	87	CONDENSER - Check inlets & outlets for obstructions, check coils for debris.		

ACFT TYPE		SPECIAL INSPECTION	MECH	INSP
ALL	88	HORIZONTAL STABILATOR SKIN - Check for damage, loose rivets, cracks or dents.		
ALL	89	STABILATOR TRIM TAB SKIN - Check for damage, loose rivets, cracks or dents.		
ALL	90	STABILATOR TRIM TAB HINGES - Check for condition.		
ALL	91	STABILATOR ADDITIONAL MASS BALANCE WEIGHTS (If applicable) - Check for security of attachment.		
ALL	92	STABILATOR TRIM TAB CONTROL RODS - Check for damage, deformation or corrosion.		
ALL	93	STABILATOR TRIM TAB FREE PLAY - Maximum allowed value: 0.1inch (2.54 mm)		
ALL	94	HORIZONTAL AND VERTICAL STABILATOR BACKLASH - Not allowed.		
NOTE: Any damage found during this inspection must be communicated to Vulcanair. Repairs of damage not requiring specific engineering may be accomplished by standard methods; In all other cases the relevant Vulcanair approved repair scheme must be followed.				
ALL	95	Each person performing this inspection shall inspect (where applicable) each installed miscellaneous item that is not otherwise covered by this listing for improper installation and improper operation.		

ACFT TYPE		LUBRICATION	MECH	INSP
ALL	96	LUBRICATION - As per lubrication chart 100 Hour and "AS REQUIRED/NECESSARY" Frequency.		

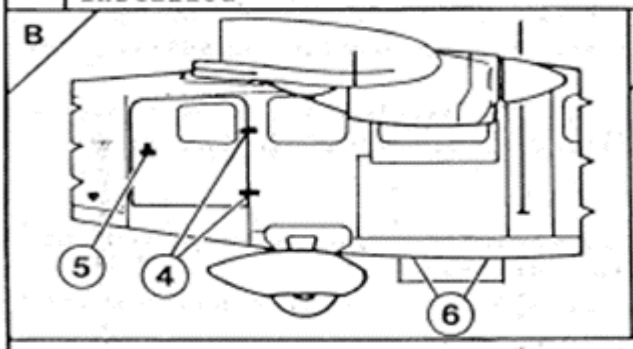
LUBRICATION CHARTS (Power Plant & Propeller)

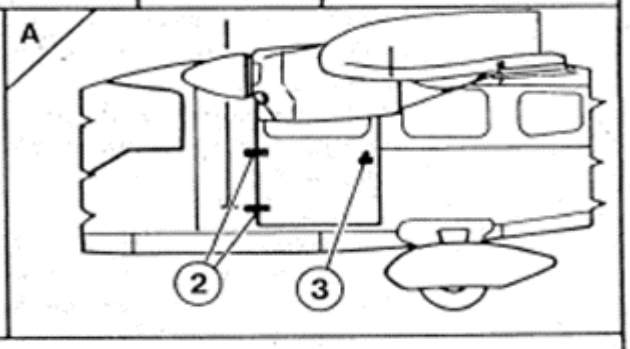
No.	LUBRICATION POINTS	FREQUENCY	INSTRUCTION
1	Engine oil pumps	100 HRS	Filling (See Avco Lycoming, Service Instruction 1014)
2	Oil filters	100 HRS	Clean
3	Fuel Selector valve teleflex	500 HRS	Grease gun Lubrication
4	Propeller assembly	100 HRS	Grease gun Lubrication

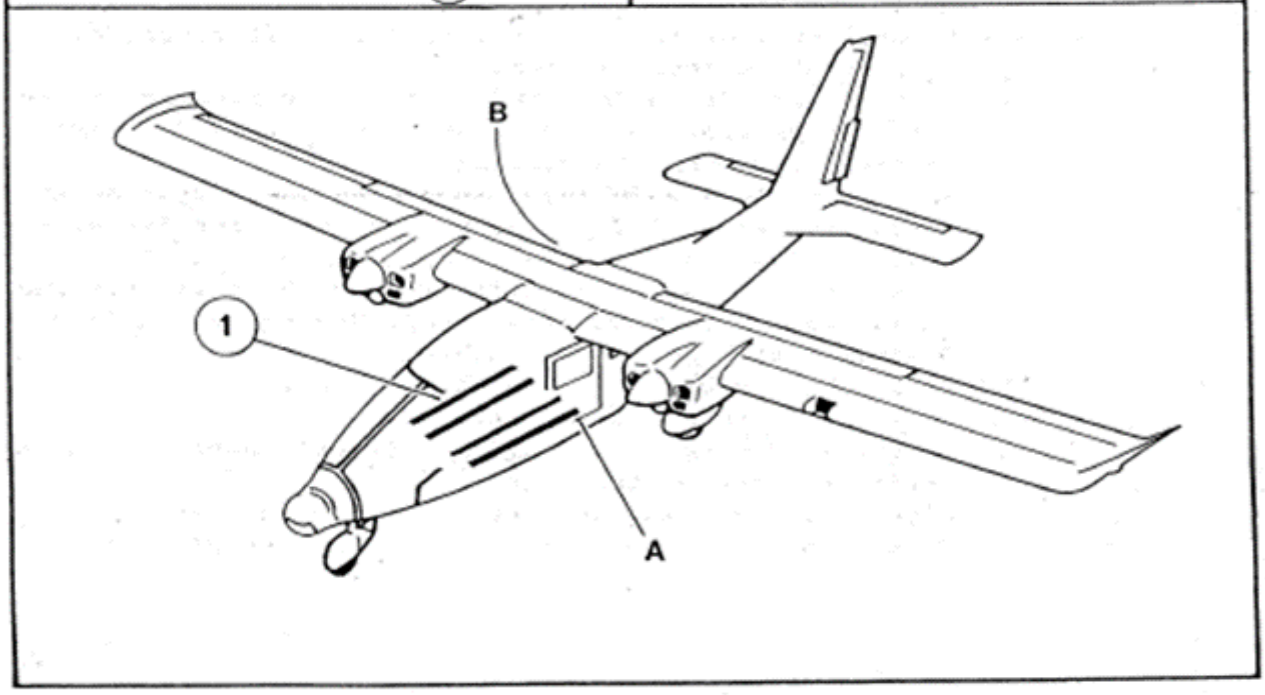


LUBRICATION CHARTS (Cabin Door, Baggage Door & Seats)

No.	LUBRICATION POINTS	FREQUENCY	INSTRUCTION
1	Seat adjustment	As necessary	Hand Lubrication
2	Main door hinges	-	"
3	Latch mechanism	-	"
4	Baggage door hinges	-	"
5	Latch mechanism	-	"
6	Hatch doors and latch mechanism if installed	-	"

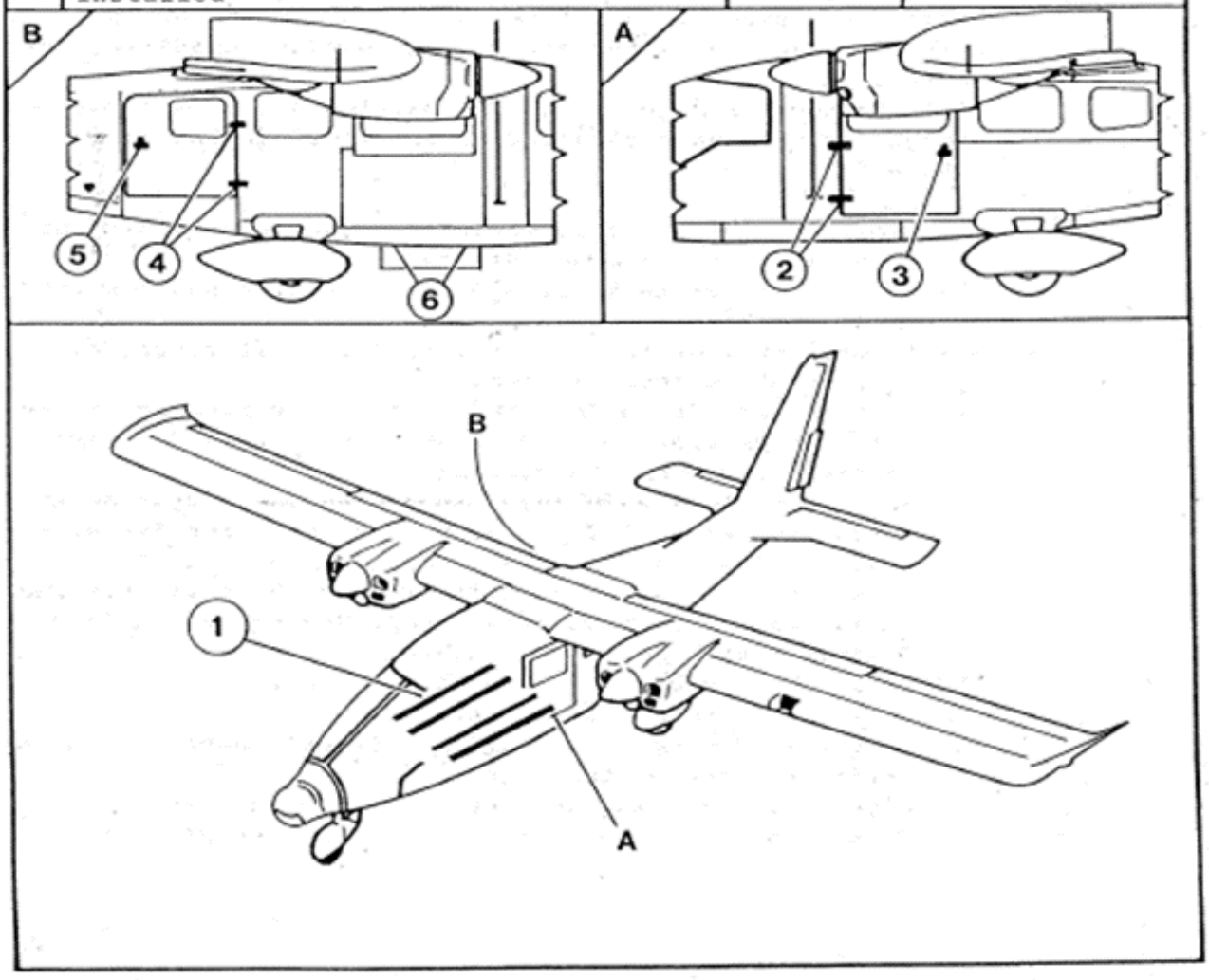






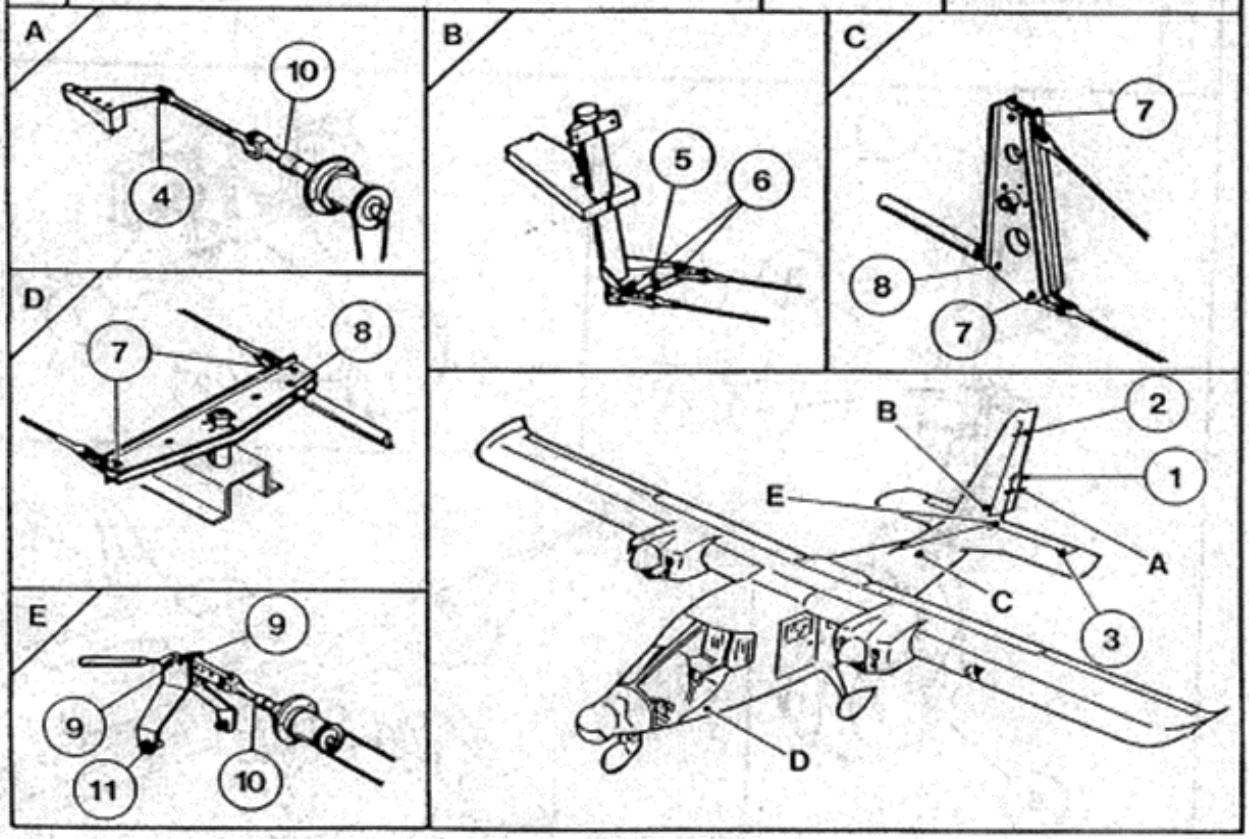
LUBRICATION CHARTS (Cabin Door, Baggage Door & Seats)

No.	LUBRICATION POINTS	FREQUENCY	INSTRUCTION
1	Seat adjustment	As necessary	Hand Lubrication
2	Main door hinges	"	"
3	Latch mechanism	"	"
4	Baggage door hinges	"	"
5	Latch mechanism	"	"
6	Hatch doors and latch mechanism if installed	"	"



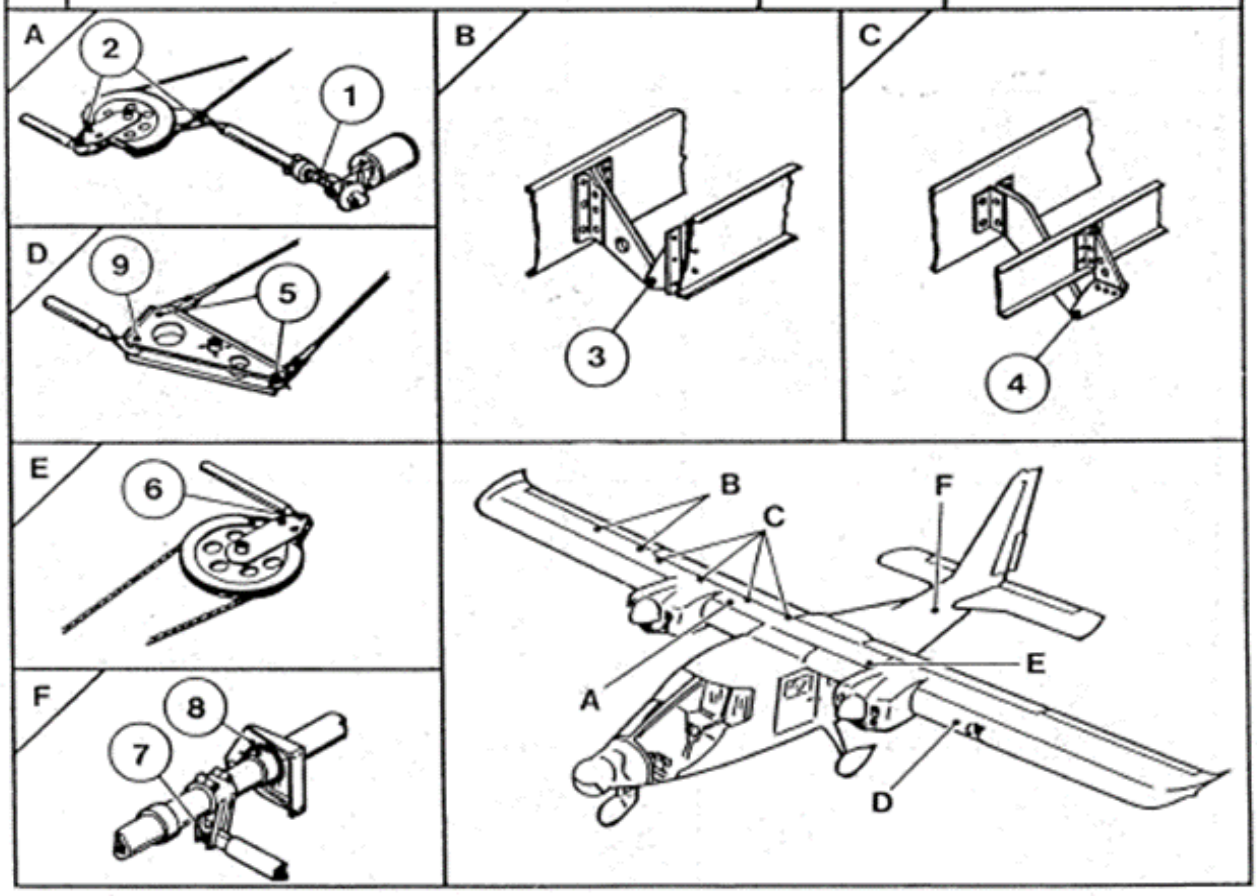
LUBRICATION CHARTS (Control System)

No.	LUBRICATION POINTS	FREQUENCY	INSTRUCTION
1	Rudder trim tab hinges	100 HRS	Hand Lubrication
2	Rudder hinge	100 HRS	"
3	Stabilator trim tab hinges	100 HRS	"
4	Rudder trim control lever	100 HRS	"
5	Rudder hinge	100 HRS	"
6	Rudder control cable ends	100 HRS	"
7	Stabilator control cable ends	500 HRS	"
8	Stabilator control rod end	500 HRS	"
9	Stabilator trim tab horn	100 HRS	"
10	Stabilator and rudder tab actuator screws	1000 HRS	"
11	Stabilator trim tab control horn bushing	500 HRS	"



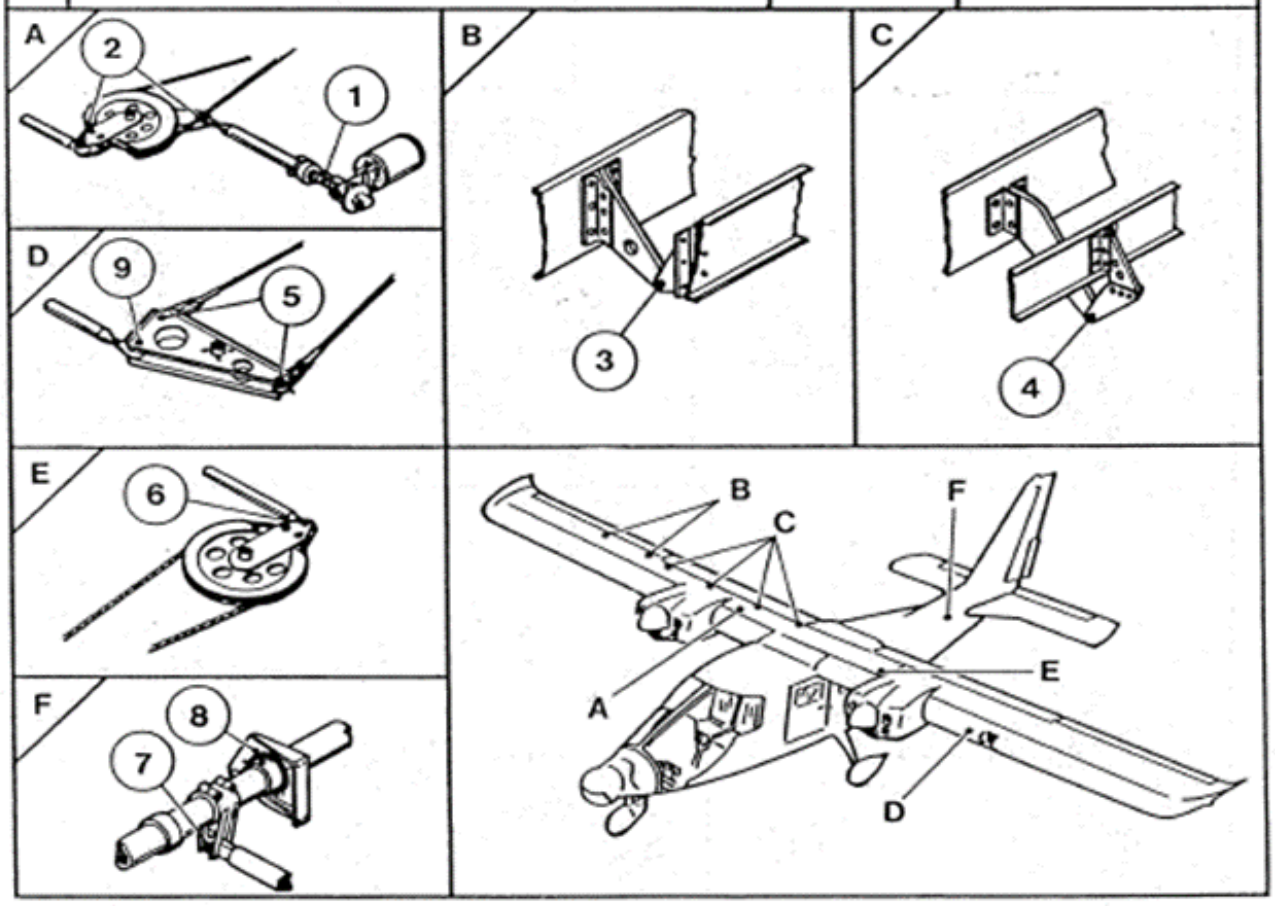
LUBRICATION CHARTS (Control System - Cont.)

No.	LUBRICATION POINTS	FREQUENCY	INSTRUCTION
1	Flap actuator screw	500 HRS	Hand Lubrication
2	Flap control rod ends	500 HRS	"
3	Aileron hinge bearing	100 HRS	"
4	Flap hinge bearing	100 HRS	"
5	Aileron control cable ends	500 HRS	"
6	Flap control cable ends	500 HRS	"
7	Stabilator control rod end	100 HRS	"
8	Stabilator torque tube bearings	100 HRS	"
9	Aileron control rod ends	500 HRS	"



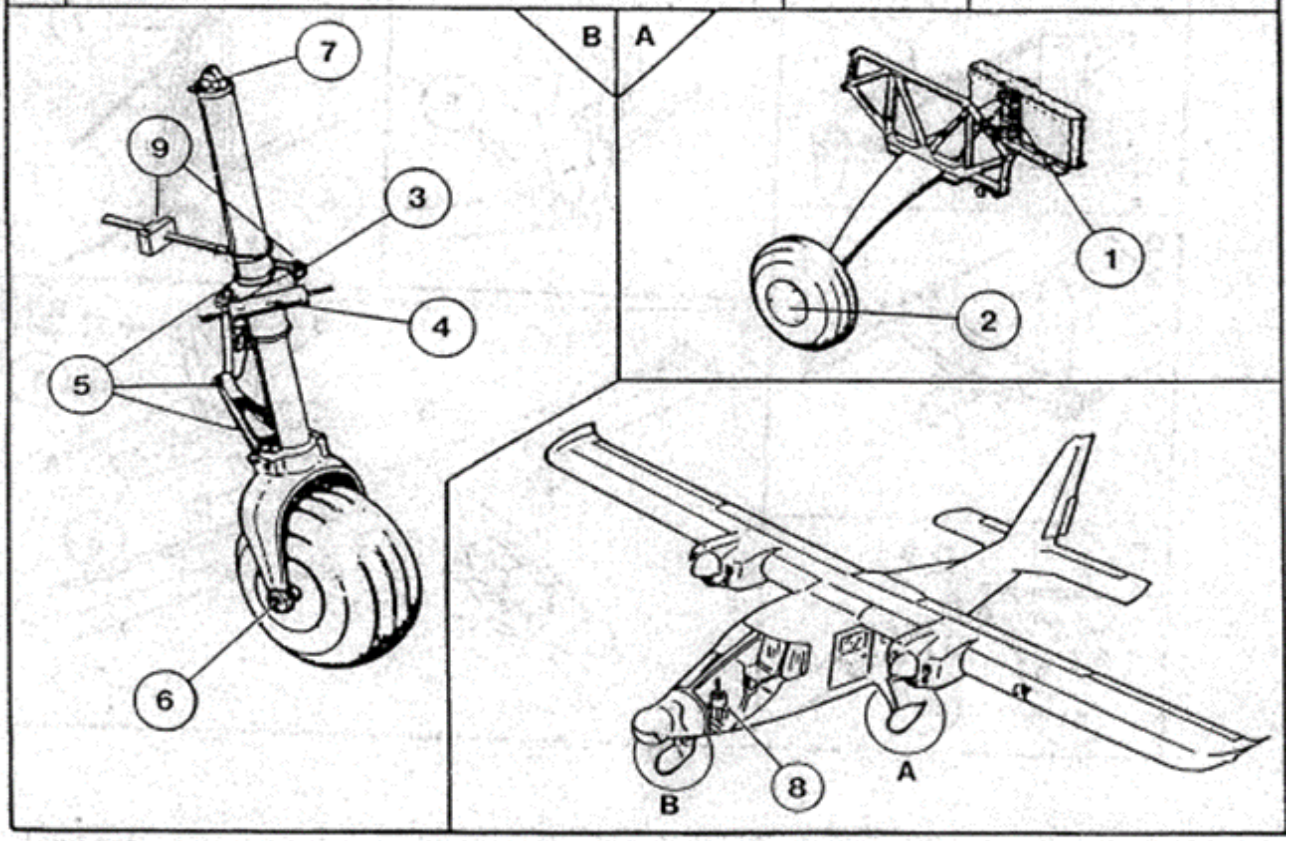
LUBRICATION CHARTS (Control System - Cont.)

No.	LUBRICATION POINTS	FREQUENCY	INSTRUCTION
1	Flap actuator screw	500 HRS	Hand Lubrication
2	Flap control rod ends	500 HRS	"
3	Aileron hinge bearing	100 HRS	"
4	Flap hinge bearing	100 HRS	"
5	Aileron control cable ends	500 HRS	"
6	Flap control cable ends	500 HRS	"
7	Stabilator control rod end	100 HRS	"
8	Stabilator torque tube bearings	100 HRS	"
9	Aileron control rod ends	500 HRS	"



LUBRICATION CHARTS (Landing Gear)

No.	LUBRICATION POINTS	FREQUENCY	INSTRUCTION
1	Main gear attachment bracket	500 HRS	Hand Lubrication
2	Main gear wheel bearings	100 HRS	Hand Lubrication
3	Nose gear steering lever	100 HRS	Gease gun Lubrication
4	Shimmy dampener	100 HRS	Hand Lubrication
5	Torque link	100 HRS	Grease gun Lubrication
6	Nose gear wheel bearings	100 HRS	Hand Lubrication
7	Nose gear strut filler point	As required	Filling
8	Brake cylinders	200 HRS	Check and refill if necessary
9	Steering disconnect	100 HRS	Grease gun Lubrication



ACFT TYPE		OPERATIONAL CHECK AND POST INSPECTION	MECH	INSP
ALL	97	ACCESS COVERS, FAIRINGS AND COWLINGS - Assure their proper reinstallation.		
ALL	98	ENGINE RUN-UP - Perform an operational check of the engine, engine instruments & other systems. Inspect the engine compartment following the operational check for leaks or abnormalities. Taxi check the operation of the brakes.		

This inspection check list is derived from the requirements of the appropriate aircraft, engine and component manufacturers Maintenance Manuals, Service Publications and STC instructions for continued airworthiness.

DOI - PARTENAVIA P68 OBSERVER SERIES - 100 HOUR INSPECTION

ZONE	ACFT TYPE		SUPPLEMENTAL 100 HOUR INSPECTION REQUIREMENTS	MECH	INSP
ARCTIC		99			
ARCTIC		100			
ARCTIC		101			
ARCTIC		102			
ARCTIC		103			
ARCTIC		104			
ARCTIC		105			
ARCTIC		106			
ARCTIC		107			
ARCTIC		108			
ARCTIC		109			
ARCTIC		110			
ARCTIC		111			
ARCTIC		112			
TEMPERATE		113			
TEMPERATE		114			
TEMPERATE		115			
TEMPERATE		116			
TEMPERATE		117			
TEMPERATE		118			
TEMPERATE		119			
TEMPERATE		120			
TEMPERATE		121			
TEMPERATE		122			
TEMPERATE		123			
TEMPERATE		124			
TEMPERATE		125			
TEMPERATE		126			
TEMPERATE		127			
	ALL	128	All panels opened for the inspection are closed and secure.		
	ALL	129	Run aircraft engine and leak check.		

DOI - PARTENAVIA P68 OBSERVER SERIES - 100 HOUR INSPECTION

NOTES:

ASSURE PROPER MAINTENANCE RECORD ENTRIES HAVE BEEN MADE IAW 14 CFR 43.9

THE AIRCRAFT RECORDS CONSIST OF THE FOLLOWING;

1. AIRCRAFT, ENGINE & PROPELLER HARD LOGS.
2. ALL FORM 337'S, MAJOR REPAIR & ALTERATION.
3. COMPLIANCE LIST OF ALL PERTINENT AIRWORTHINESS DIRECTIVES.
4. MAINTENANCE SCHEDULE- LIST OF REQUIRED SPECIAL INSPECTIONS, COMPONENT OVERHAUL & TIME-LIFE LIMITS.
5. CURRENT & HISTORICAL WEIGHT & BALANCE STATUS & EQUIPMENT LIST
7. MINIMUM EQUIPMENT LIST AS REQUIRED.
8. SPECIAL FLIGHT AUTHORIZATIONS AND/OR SUPPLEMENTS

UNITED STATES DEPARTMENT OF THE INTERIOR

PARTENAVIA P68 SERIES

200 HOUR SCHEDULED MAINTENANCE CHECKS

200 HOUR INSPECTION INCLUDES 100 HOUR AND 50 HOUR INSPECTIONS

THE INSPECTION WORK SHEETS / PACKAGES IN THIS DOCUMENT ARE FOR THE 'UNITED STATES DEPARTMENT OF THE INTERIOR' AIRCRAFT ONLY.

Inspection Sheet - Block Explanation

Example

ACFT TYPE		EXAMPLE INSPECTION REQUIREMENTS	MECH	INSP
ALL	1	BATTERY - Check electrolyte & general condition & security. Check cables for corrosion, condition & security.		
OBSERVER	2	ENGINE AIR INTAKE SYSTEM - Inspect all components for security, wear and any deformation. Replace air intake filter P/N BA-161.	N/A	
OBSERVER 2	3	EXHAUST SYSTEM - Check attaching flanges at exhaust parts on cylinder for evidence of leakage.		
A	**B**	**C**	**D**	**E**

Block A ALL - All Partenavia P68 Series Aircraft
OBSERVER - P68TC Observer
OBSERVER 2 - P68 Observer 2

Block B Each inspection and task is given a line item number in the 2nd column.

Block C Describes inspection tasks.

Block D Mechanic sign-off block. N/A (Not Applicable) - should be used if the inspection cannot or should not be carried out due to (but not limited to) - 1. Serial number range. 2. Unit or option not installed on aircraft. 3. Previously complied with. 4. Climate zone applicability. A note beside the N/A to indicate the reason for it is recommended.

Block E The (white) INSP block should be initialed by an inspector who witnessed the task carried out by the mechanic and completed a final inspection and/or functional check in accordance with the line item requirements and relevant technical publications. The inspector shall not initial the INSP block until after the mechanic has initialed the MECH block. In a block that requires a Maintenance Inspector, he shall initial the white INSP block whenever N/A has been entered in the MECH block.

Climate Zone Supplemental Inspections and Servicing

Before commencing inspection and servicing, it must be confirmed which climate zone the subject aircraft is operated in. If the aircraft is above the 49th parallel it is in the Arctic Zone. If the aircraft is below the 49th parallel it is in the Temperate zone. The extra line items listed for the appropriate climate zone shall be added to the servicing, the not applicable climate zone line items shall be noted as N/A in the sign-off block.

Inspections: To be completed in accordance with this manual.

Repairs: To be completed in accordance with the appropriate Partenavia Maintenance Manual.

Acronyms in use

IAW - In Accordance With
CPCP - Corrosion Prevention and Control Program
NDI - Non Destructive Inspection
ICA - Inspection for Continued Airworthiness
STC - Supplemental Type Certificate
PSE - Principle Structural Element
N/A - Not Applicable (see MECH Block D above)
OEM - Original Equipment Manufacturer

DOI - PARTENAVIA P68 OBSERVER SERIES - 200 HOUR INSPECTION

'N' NUMBER:_____ MODEL: _____ AIRCRAFT S/N:_____

TACH HOURS:_____ AIRCRAFT TOTAL TIME:_____ ENG. SMOH:_____ PROP SMOH:_____

ACFT TYPE		SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES	MECH	INSP
ALL	1	MANUFACTURER SERVICE BULLETINS - Check that all Bulletins complied with, at the governments request, are documented into the aircraft log books.		
ALL	2	AIRWORTHINESS DIRECTIVES - Check that all AD's have been complied with or determined to be not applicable and documented into the aircraft log books as such.		
ALL	3	LOG BOOK ENTRIES / FORM 337 / WEIGHT AND BALANCE - Ensure all maintenance record entries required by Federal Aviation Regulations are completed prior to returning the aircraft to service.		

ACFT TYPE		AIRFRAME	MECH	INSP
ALL	4	FUSELAGE - Check surfaces for damage & sealing.		
ALL	5	WINDSHIELD AND WINDOWS - Check for crazing, excessive scratches & general condition.		
ALL	6	CABIN DOORS - Check for condition, operation & latch adjustment.		
ALL	7	EMERGENCY EXIT - Check for condition, security & operation.		
ALL	8	SEATS AND BELTS - Check for fraying, condition, security & operation.		
ALL	9	UPHOLSTERY AND CARPETS - Check for cleanliness & security.		
ALL	10	TRIM SYSTEM - Check for condition, operation, travel and correct indication.		
ALL	11	PARKING BRAKE HANDLE - Check for condition & operation.		
ALL	12	FUEL SELECTOR TRANSMITTER - Check for condition & operation.		
ALL	13	RUDDER PEDALS - Check for condition & operation.		
ALL	14	BRAKE CYLINDERS - Check for leakage & operation.		
ALL	15	BRAKE SYSTEM PLUMBING - Check for security, leakage, hoses for bulges & deterioration.		
ALL	16	CONTROL COLUMN - Check for security, looseness, wear & proper rigging.		
ALL	17	BRAKE CYLINDER RESERVOIR - Check fluid level.		
ALL	18	GYRO INSTRUMENT CENTRAL AIR FILTER - Inspect for condition (Replace as Required).		
ALL	19	VACUUM SYSTEM RELIEF VALVE - Check security & condition.		
ALL	20	VACUUM SYSTEM HOSES - Inspect for hardness, deterioration & looseness.		
ALL	21	INSTRUMENT AND INTERIOR LIGHTS - Check lights for operation.		
ALL	22	INSTRUMENTS - Check for condition & marking.		
ALL	23	RADIO AND NAVIGATION SYSTEMS - Check for condition & security.		
ALL	24	WARNING PANEL - Check for condition.		
ALL	25	SWITCHES - Check for security & interference.		
ALL	26	EMERGENCY LOCATOR TRANSMITTER - Check for condition, security. **Check operation IAW FAR 91.207(d) every 12 months**. Battery due date_____		
ALL	27	PLACARDS AND DECALS - Check for presence & legibility of all required placards.		
ALL	28	BATTERY - Check electrolyte & general condition & security. Check cables for corrosion, condition & security.		
ALL	29	BATTERY CABLES - Check for corrosion, condition and security.		

DOI - PARTENAVIA P68 OBSERVER SERIES - 200 HOUR INSPECTION

ACFT TYPE		AIRFRAME	MECH	INSP
ALL	30	POWER CABLES - Check for condition, integrity of sheath, connection & proper fastening of connection.		
ALL	31	VOLTAGE REGULATORS AND THEIR ASSOCIATED WIRINGS - Check for general condition, security of electrical connections and physical connection to the aircraft.		
ALL	32	DE-ICING SYSTEM PLUMBING (If installed) - Check for leaks & operation.		
ALL	33	EMPENNAGE - Check surfaces for damage.		
ALL	34	STABILATOR BEARING, HORN, TORQUE TUBE AND ATTACHMENT - Check for condition & security.		
ALL	35	WING - Check surfaces for damage.		
ALL	36	FUEL TANKS AND AUXILIARY FUEL TANKS - Check for leaks.		
ALL	37	FUEL SELECTOR RECEIVER - Check for condition & operation.		
ALL	38	METAL LEADING EDGE - Check for cracks, condition & attachment.		
ALL	39	BOOST PUMP (AUXILIARY) AND TRANSFER PUMPS (If installed) - Inspect for leaks & operation.		
ALL	40	FUEL SYSTEM - Inspect plumbing & component mounting for condition, security & system for leaks.		
ALL	41	LOW PRESSURE FUEL FILTER NV7.003-45 - Check filter screen and clean if necessary(or replace it if damaged).		
ALL	42	LOW PRESSURE FUEL FILTER NV7.003-45 - Check the condition of the O-Rings and replace if necessary.		
ALL	43	LOW PRESSURE FUEL FILTER NV7.003-45 - Check filter parts for damage, crack and corrosion.		
ALL	44	LOW PRESSURE FUEL FILTER NV7.003-45 - Check for fuel leaks.		
ALL	45	STALL DETECTOR - Check for condition & operation.		
ALL	46	NAVIGATION LIGHTS - Check lights for operation.		
ALL	47	WING DE-ICE BOOTS (If installed) - Check for condition & security.		
ALL	48	TORQUE LINKS - Check for wear & condition.		
ALL	49	SHOCK STRUT AND SERVICING - Check for proper servicing.		
ALL	50	SHIMMY DAMPENER - Check for condition.		
ALL	51	NOSE WHEEL STEERING SYSTEM - Check travel.		
ALL	52	MAIN AND NOSE LANDING GEAR ASSY - Check for condition.		
ALL	53	WHEELS AND TIRES - Check for wear, condition & tire pressure.		
ALL	54	WHEEL BEARINGS - Check and repack.		
ALL	55	CLAMPING SPRING LEG TIES, RUBBER SPACER, BOLTS - Check for locking & wear.		
ALL	56	BRAKE LININGS - Check for wear.		
ALL	57	BRAKE DISC - Check for wear & warpage.		
ALL	58	BRAKE SYSTEM PLUMBING - Check for security, leaks, hoses for bulges & deterioration.		
ALL	59	AILERON - Check hinges, bell crank, stop blocks for looseness and/or jam for tightness, linkage & bolt for condition, operation, security & travel.		

DOI - PARTENAVIA P68 OBSERVER SERIES - 200 HOUR INSPECTION

ACFT TYPE		FLIGHT CONTROLS	MECH	INSP
ALL	60	AILERON CABLES - Check for tension, corrosion, fraying & turnbuckles for safety.		
ALL	61	RUDDER - Check hinges, torque tube, stop blocks for looseness, security & safety; Check travel. **(SB 62)**		
ALL	62	RUDDER TRIM TAB - Check for security, condition, linkage & travel.		
ALL	63	RUDDER TRIM TAB ACTUATOR - Check travel & mounting for security.		
ALL	64	RUDDER AND RUDDER TRIM TAB CABLES - Check for tension, corrosion, fraying & turnbuckles for safety.		
ALL	65	FLAPS - Check linkage, bell cranks, hinges, pulleys & cables for condition, tension & security.		
ALL	66	FLAP MOTOR AND POSITION INDICATOR - Check for travel, condition & security.		
ALL	67	STABILATOR - Check rods, horn, stop blocks for security & safety; Check travel.		
ALL	68	STABILATOR TRIM TAB - Check hinges for cracks, wear & tab travel.		
ALL	69	STABILATOR TRIM TAB AND ACTUATOR - Check for travel condition & security; Check push rod for condition.		
ALL	70	STABILATOR AND STABILATOR TRIM TAB CABLES - Check tension, corrosion, fraying & turnbuckles for safety.		
ALL	71	AUTOPILOT (If installed) - Check cables, pulleys & turnbuckles for tension, condition, operation & security.		
ALL	72	EMPENNAGE DE-ICE BOOTS (If installed) - Check for condition & security.		

ACFT TYPE		PROPELLER	MECH		INSP
			LEFT	RIGHT	
ALL	73	BLADES - Check for nicks, cracks & scratches.			
ALL	74	BLADES - Check for tightness in hub.			
ALL	75	BULKHEAD - Check for cracks & security on crankshaft.			
ALL	76	PROPELLER SPINNERS - Wash, check for cracks and fractures.			
ALL	77	PROPELLER HUB - Check for oil leaks & cracks.			
ALL	78	PROPELLER MOUNTING - Check nuts for security & lock wire.			
ALL	79	PROPELLER AIR PRESSURE - Check for proper pressure.			
ALL	80	DE-ICE SYSTEM ELECTRICAL LEADS AND BRUSHES - Check for condition, security, wear & seating of brushes.			

ACFT TYPE		ENGINE GROUP	MECH		INSP
			LEFT	RIGHT	
ALL	81	COWLINGS - Clean, check for cracks, evidence of abrasion & wear.			
ALL	82	ALTERNATE AIR SOURCE AND BOXES - Check for condition & obstructions. Check that valve swings freely and seals tightly.			
ALL	83	ENGINE BREATHER TUBES - Inspect for obstruction, chaffing & security.			
OBSERVER	84	ENGINE AIR INTAKE SYSTEM - Inspect all components for security, wear and any deformation. Replace air intake filter P/N BA-161.			
ALL	85	EXHAUST PIPES, MUFFLER AND HEAT EXCHANGER (As applicable) - Inspect for cracks, bulges, condition & security. Remove shrouds & inspect.			
OBSERVER 2	86	EXHAUST SYSTEM - Check attaching flanges at exhaust parts on cylinder for evidence of leakage.			
ALL	87	CABIN HEATING AIR HOSES (As applicable) - Check for condition.			

DOI - PARTENAVIA P68 OBSERVER SERIES - 200 HOUR INSPECTION

ACFT TYPE		ENGINE GROUP	MECH		INSP
			LEFT	RIGHT	
ALL	88	FLEXIBLE FUEL AND OIL LINES - Check fuel lines under pressure. Check for deterioration, leaks, discoloration & condition.			
ALL	89	AIR INLET DUCT SLEEVE - Check for condition.			
ALL	90	INDUCTION AIR FILTER - Clean, replace if required.			
ALL	91	OIL COOLER - Clean external surface & check fins.			
ALL	92	ALTERNATOR MOUNT AND DRIVE BELT - Check for condition, security, wiring & belt tension.			
ALL	93	ENGINE AND ACCESSORIES - Clean engine, check for security and mounting of accessories.			
OBSERVER	94	ENGINE OIL SAMPLE - Take oil sample.			
ALL	95	ENGINE OIL - Change.			
ALL	96	ENGINE OIL AND FILTER - Drain oil sump, remove oil filter, cut open filter & element, inspect for metal. Inspect & clean suction screen. Install new filter & service with appropriate grade & quantity oil.			
ALL	97	ENGINE WIRING AND GROUNDS - Check condition, routing & connections.			
ALL	98	VALVE INSPECTION - Remove rocker box covers and check for freedom of valve rockers when valves are closed. Look for evidence of abnormal wear of broken parts in the area of the valve tips, valve keeper, springs and seats.			
ALL	98	ENGINE CYLINDERS, ROCKER BOX COVERS AND PUSHROD HOUSINGS - Check for fin damage, cracks, oil leakage, security of attachment & general condition.			
OBSERVER	99	ENGINE BAFFLES AND SEALS - Check condition & security of attachment.			
ALL	100	CYLINDER - Check visually for cracked or broken fins.			
ALL	101	CYLINDER COMPRESSION - Perform differential compression test & record. Inspect for exhaust valve leakage.			
		LH ENG #1-_____ #2-_____ #3-_____ #4-_____ #5-_____ #6-_____			
		RH ENG #1-_____ #2-_____ #3-_____ #4-_____ #5-_____ #6-_____			
ALL	102	MAGNETOS - Check external condition, security & electrical leads for condition. Check timing to engine. Check magneto internal timing if engine timing requires adjustment more than two degrees.			
ALL	103	IGNITION HARNESS AND INSULATORS - Check for security, proper routing, deterioration & condition of terminals.			
ALL	104	SPARK PLUGS - Remove, clean, analyze, gap, test & reinstall in rotation.			
ALL	105	SPARK PLUG LEADS OF CABLE - Examine for corrosion and deposits.			
ALL	106	FUEL INJECTION SYSTEM (If equipped)- Check fuel injector nozzles for looseness, (60"lbs.) Check for leakage, security of lines IAW **AD 2011-26-04 (SB 342E).**			
ALL	107	ENGINE MOUNTS AND BOLTS - Check mount for condition, cracks & security of attachment. Check mount bolts & bushings for security & wear.			
OBSERVER	108	AIR DUCTING AND CONNECTIONS IN TURBOCHARGER SYSTEM - Inspect for leaks. Check at manifold connections to turbine inlet & at engine exhaust manifold gasket for possible leakage.			
OBSERVER	109	TURBOCHARGER - Check for dirt or dust build-up within turbocharger. Check for uneven deposits on the impeller. Check fluid lines & mounting brackets for leaks tightness or damage.			
OBSERVER	110	TURBOCHARGER ACTUATOR - Check the linkage for dirt or interference which may impair operation. Check the vent line for leakage.			
OBSERVER	111	ENGINE NACELLE - Inspect engine mount / wing attach bracket structure.			
ALL	112	ENGINE CONTROLS - Inspect control cables for travel, security, condition & operation.			

DOI - PARTENAVIA P68 OBSERVER SERIES - 200 HOUR INSPECTION

ACFT TYPE		HEATING SYSTEM - JANITROL (If installed)	MECH	INSP
ALL	113	VENTILATION AIR AND COMBUSTION AIR INLETS AND OUTLETS - Inspect for restriction & security on the aircraft skin line.		
ALL	114	DRAIN LINE - Check if free of obstructions.		
ALL	115	FUEL LINES - Check for security at joints & shrouds & evidence of leakage.		
ALL	116	ELECTRICAL WIRING - Inspect terminal block& components for loose connections, chafing of insulation & security of attach points.		
ALL	117	HI-VOLTAGE CABLE - Inspect cable sheath for arcing & igniter for security.		
ALL	118	HI-VOLTAGE CABLE - Examine the cable sheath for any possible indication of arcing.		
ALL	119	COMBUSTION AIR BLOWER ASSEMBLY - Inspect for security of mounting; security of connection tubing and wiring.		

ACFT TYPE		AIR CONDITIONING SYSTEM (If installed)	MECH	INSP
OBSERVER 2	120	COOLING SYSTEM - Check cowlings and baffles for damage and security of attachment.		
ALL	121	COMPRESSOR LINES - Check all lines for leaks, cracks & condition.		
ALL	122	COMPRESSOR AND MOTOR - Check condition & security.		
ALL	123	CONDENSER - Check inlets & outlets for obstructions, check coils for debris.		
ALL	124	HYDRAULIC LINES - Check for leaks, security & condition.		
ALL	125	FLUID CHARGE - Check.		
ALL	126	CONDENSER AND EVAPORATOR FANS - Check blades for nicks, looseness & security.		
ALL	127	CONDENSER FAN MOTOR BRUSHES - Visually check.		
ALL	128	ELECTRICAL LEADS - Check for physical damage & broken insulation.		

ACFT TYPE		SPECIAL INSPECTION	MECH	INSP
ALL	129	HORIZONTAL STABILATOR SKIN - Check for damage, loose rivets, cracks or dents.		
ALL	130	STABILATOR TRIM TAB SKIN - Check for damage, loose rivets, cracks or dents.		
ALL	131	STABILATOR TRIM TAB HINGES - Check for condition.		
ALL	132	STABILATOR ADDITIONAL MASS BALANCE WEIGHTS (If applicable) - Check for security of attachment.		
ALL	133	STABILATOR TRIM TAB CONTROL RODS - Check for damage, deformation or corrosion.		
ALL	134	STABILATOR TRIM TAB FREE PLAY - Maximum allowed value: 0.1inch (2.54 mm)		
ALL	135	HORIZONTAL AND VERTICAL STABILATOR BACKLASH - Not allowed.		

NOTE: Any damage found during this inspection must be communicated to Vulcanair. Repairs of damage not requiring specific engineering may be accomplished by standard methods; In all other cases the relevant Vulcanair approved repair scheme must be followed.

ACFT TYPE		OPERATIONAL CHECK AND POST INSPECTION	MECH	INSP
ALL	136	ACCESS COVERS, FAIRINGS AND COWLINGS - Assure their proper reinstallation.		
ALL	137	ENGINE RUN-UP - Perform an operational check of the engine, engine instruments & other systems. Inspect the engine compartment following the operational check for leaks or abnormalities. Taxi check the operation of the brakes.		

This inspection check list is derived from the requirements of the appropriate aircraft, engine and component manufacturers Maintenance Manuals, Service Publications and STC instructions for continued airworthiness.

DOI - PARTENAVIA P68 OBSERVER SERIES - 200 HOUR INSPECTION

ZONE	ACFT TYPE		SUPPLEMENTAL 200 HOUR INSPECTION REQUIREMENTS	MECH	INSP
ARCTIC		138			
ARCTIC		139			
ARCTIC		140			
ARCTIC		141			
ARCTIC		142			
ARCTIC		143			
ARCTIC		144			
ARCTIC		145			
ARCTIC		146			
ARCTIC		147			
ARCTIC		148			
ARCTIC		149			
ARCTIC		150			
ARCTIC		151			
TEMPERATE		152			
TEMPERATE		153			
TEMPERATE		154			
TEMPERATE		155			
TEMPERATE		156			
TEMPERATE		157			
TEMPERATE		158			
TEMPERATE		159			
TEMPERATE		160			
TEMPERATE		161			
TEMPERATE		162			
TEMPERATE		163			
TEMPERATE		164			
TEMPERATE		165			
TEMPERATE		166			
	ALL	167	All panels opened for the inspection are closed and secure.		
	ALL	168	Run aircraft engine and leak check.		

DOI - PARTENAVIA P68 OBSERVER SERIES - 200 HOUR INSPECTION

NOTES:

ASSURE PROPER MAINTENANCE RECORD ENTRIES HAVE BEEN MADE IAW 14 CFR 43.9

THE AIRCRAFT RECORDS CONSIST OF THE FOLLOWING;

1. AIRCRAFT, ENGINE & PROPELLER HARD LOGS.
2. ALL FORM 337'S, MAJOR REPAIR & ALTERATION.
3. COMPLIANCE LIST OF ALL PERTINENT AIRWORTHINESS DIRECTIVES.
4. MAINTENANCE SCHEDULE- LIST OF REQUIRED SPECIAL INSPECTIONS, COMPONENT OVERHAUL & TIME-LIFE LIMITS.
5. CURRENT & HISTORICAL WEIGHT & BALANCE STATUS & EQUIPMENT LIST
7. MINIMUM EQUIPMENT LIST AS REQUIRED.
8. SPECIAL FLIGHT AUTHORIZATIONS AND/OR SUPPLEMENTS

UNITED STATES DEPARTMENT OF THE INTERIOR

PARTENAVIA P68 SERIES

ANNUAL MAINTENANCE CHECKS

ANNUAL INCLUDES 200 HOUR, 100 HOUR AND 50 HOUR INSPECTIONS

THE INSPECTION WORK SHEETS / PACKAGES IN THIS DOCUMENT ARE FOR THE 'UNITED STATES DEPARTMENT OF THE INTERIOR' AIRCRAFT ONLY.

Inspection Sheet - Block Explanation

Example

ACFT TYPE		EXAMPLE INSPECTION REQUIREMENTS	MECH	INSP
ALL	1	BATTERY - Check electrolyte & general condition & security. Check cables for corrosion, condition & security.		
OBSERVER	2	ENGINE AIR INTAKE SYSTEM - Inspect all components for security, wear and any deformation. Replace air intake filter P/N BA-161.	N/A	
OBSERVER 2	3	EXHAUST SYSTEM - Check attaching flanges at exhaust parts on cylinder for evidence of leakage.		
A	**B**	**C**	**D**	**E**

Block A ALL - All Partenavia P68 Series Aircraft
OBSERVER - P68TC Observer
OBSERVER 2 - P68 Observer 2

Block B Each inspection and task is given a line item number in the 2nd column.

Block C Describes inspection tasks.

Block D Mechanic sign-off block. N/A (Not Applicable) - should be used if the inspection cannot or should not be carried out due to (but not limited to) - 1. Serial number range. 2. Unit or option not installed on aircraft. 3. Previously complied with. 4. Climate zone applicability. A note beside the N/A to indicate the reason for it is recommended.

Block E The (white) INSP block should be initialed by an inspector who witnessed the task carried out by the mechanic and completed a final inspection and/or functional check in accordance with the line item requirements and relevant technical publications. The inspector shall not initial the INSP block until after the mechanic has initialed the MECH block. In a block that requires a Maintenance Inspector, he shall initial the white INSP block whenever N/A has been entered in the MECH block.

Climate Zone Supplemental Inspections and Servicing

Before commencing inspection and servicing, it must be confirmed which climate zone the subject aircraft is operated in. If the aircraft is above the 49th parallel it is in the Arctic Zone. If the aircraft is below the 49th parallel it is in the Temperate zone. The extra line items listed for the appropriate climate zone shall be added to the servicing, the not applicable climate zone line items shall be noted as N/A in the sign-off block.

Inspections: To be completed in accordance with this manual.

Repairs: To be completed in accordance with the appropriate Partenavia Maintenance Manual.

Acronyms in use

IAW - In Accordance With
CPCP - Corrosion Prevention and Control Program
NDI - Non Destructive Inspection
ICA - Inspection for Continued Airworthiness
STC - Supplemental Type Certificate
PSE - Principle Structural Element
N/A - Not Applicable (see MECH Block D above)
OEM - Original Equipment Manufacturer

DOI - PARTENAVIA P68 OBSERVER SERIES - ANNUAL INSPECTION

ANNUAL INCLUDES 200 HOUR, 100 HOUR AND 50 HOUR INSPECTIONS

'N' NUMBER:_____ MODEL: _____ AIRCRAFT S/N:_____

TACH HOURS:_____ AIRCRAFT TOTAL TIME:_____ ENG. SMOH:_____ PROP SMOH:_____

ACFT TYPE		SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES	MECH	INSP
ALL	1	MANUFACTURER SERVICE BULLETINS - Check that all Bulletins complied with, at the governments request, are documented into the aircraft log books.		
ALL	2	AIRWORTHINESS DIRECTIVES - Check that all AD's have been complied with or determined to be not applicable and documented into the aircraft log books as such.		
ALL	3	Inspect aircraft records to verify that all applicable ICAs are complied with.		
ALL	4	LOG BOOK ENTRIES / FORM 337 / WEIGHT AND BALANCE - Ensure all maintenance record entries required by Federal Aviation Regulations are completed prior to returning the aircraft to service.		

ACFT TYPE		AIRFRAME	MECH	INSP
ALL	5	Each person performing this inspection shall, before that inspection, remove or open all necessary inspection plates, access doors. Fairing, and cowling. He shall thoroughly clean the aircraft and aircraft engine.		
ALL	6	FUSELAGE - Check surfaces for damage & sealing.		
ALL	7	WINDSHIELD AND WINDOWS - Check for crazing, excessive scratches & general condition.		
ALL	8	CABIN DOORS - Check for condition, operation & latch adjustment.		
ALL	9	EMERGENCY EXIT - Check for condition, security & operation.		
ALL	10	SEATS AND BELTS - Check for fraying, condition, security & operation.		
ALL	11	UPHOLSTERY AND CARPETS - Check for cleanliness & security.		
ALL	12	TRIM SYSTEM - Check for condition, operation, travel and correct indication.		
ALL	13	PARKING BRAKE HANDLE - Check for condition & operation.		
ALL	14	FUEL SELECTOR TRANSMITTER - Check for condition & operation.		
ALL	15	RUDDER PEDALS - Check for condition & operation.		
ALL	16	BRAKE CYLINDERS - Check for leakage & operation.		
ALL	17	BRAKE SYSTEM PLUMBING - Check for security, leakage, hoses for bulges & deterioration.		
ALL	18	CONTROL COLUMN - Check for security, looseness, wear & proper rigging.		
ALL	19	BRAKE CYLINDER RESERVOIR - Check fluid level.		
ALL	20	GYRO INSTRUMENT CENTRAL AIR FILTER - Inspect for condition (Replace as Required).		
ALL	21	VACUUM SYSTEM RELIEF VALVE - Check security & condition.		
ALL	22	VACUUM SYSTEM HOSES - Inspect for hardness, deterioration & looseness.		
ALL	23	INSTRUMENT AND INTERIOR LIGHTS - Check lights for operation.		
ALL	24	INSTRUMENTS - Check for condition & marking.		
ALL	25	PITOT STATIC SYSTEM - Leak check.		
ALL	26	RADIO AND NAVIGATION SYSTEMS - Check for condition & security.		
ALL	27	RADIO WIRING AND CONDUITS - Check for improper routing, insecure mounting, and obvious defects.		
ALL	28	RADIO BONDING AND SHIELDING - Check for improper installation and poor condition.		

DOI - PARTENAVIA P68 OBSERVER SERIES - ANNUAL INSPECTION

ACFT TYPE		AIRFRAME	MECH	INSP
ALL	29	RADIO ANTENNA (Including Trailing Antenna) - Check for poor condition, insecure mounting, and improper operation.		
ALL	30	WARNING PANEL - Check for condition.		
ALL	31	SWITCHES - Check for security & interference.		
ALL	32	PLACARDS AND DECALS - Check for presence & legibility of all required placards.		
ALL	33	BATTERY - Check electrolyte & general condition & security. Check cables for corrosion, condition & security.		
ALL	34	BATTERY CABLES - Check for corrosion, condition and security.		
ALL	35	POWER CABLES - Check for condition, integrity of sheath, connection & proper fastening of connection.		
ALL	36	VOLTAGE REGULATORS AND THEIR ASSOCIATED WIRINGS - Check for general condition, security of electrical connections and physical connection to the aircraft.		
ALL	37	DE-ICING SYSTEM PLUMBING (If installed) - Check for leaks & operation.		
ALL	38	EMPENNAGE - Check surfaces for damage.		
ALL	39	STABILATOR BEARING, HORN, TORQUE TUBE AND ATTACHMENT - Check for condition & security.		
ALL	40	WING - Check surfaces for damage.		
ALL	41	FUEL TANKS AND AUXILIARY FUEL TANKS - Check for leaks.		
ALL	42	FUEL SELECTOR RECEIVER - Check for condition & operation.		
ALL	43	METAL LEADING EDGE - Check for cracks, condition & attachment.		
ALL	44	BOOST PUMP (AUXILIARY) AND TRANSFER PUMPS (If installed) - Inspect for leaks & operation.		
ALL	45	FUEL SYSTEM - Inspect plumbing & component mounting for condition, security & system for leaks.		
ALL	46	LOW PRESSURE FUEL FILTER NV7.003-45 - Check filter screen and clean if necessary(or replace it if damaged).		
ALL	47	LOW PRESSURE FUEL FILTER NV7.003-45 - Check the condition of the O-Rings and replace if necessary.		
ALL	48	LOW PRESSURE FUEL FILTER NV7.003-45 - Check filter parts for damage, crack and corrosion.		
ALL	49	LOW PRESSURE FUEL FILTER NV7.003-45 - Check for fuel leaks.		
ALL	50	STALL DETECTOR - Check for condition & operation.		
ALL	51	NAVIGATION LIGHTS - Check lights for operation.		
ALL	52	WING DE-ICE BOOTS (If installed) - Check for condition & security.		
ALL	53	FUSELAGE AND HULL SYSTEMS AND COMPONENTS - Check for improper installation, apparent defects, and unsatisfactory operation.		
ALL	54	CABIN AND COCKPIT - Check for general uncleanliness and loose equipment that might foul the controls.		
ALL	55	CABIN AND COCKPIT SYSTEMS - Check for improper installation, poor general condition, apparent and obvious defects, and insecurity of attachment.		
ALL	56	LUBRICATION - As per lubrication charts.		

ACFT TYPE		LANDING GEAR	MECH	INSP
ALL	57	TORQUE LINKS - Check for wear & condition.		
ALL	58	SHOCK STRUT AND SERVICING - Check for proper servicing.		
ALL	59	SHIMMY DAMPENER - Check for condition.		

DOI - PARTENAVIA P68 OBSERVER SERIES - ANNUAL INSPECTION

ACFT TYPE		LANDING GEAR CONTINUED	MECH	INSP
ALL	60	NOSE WHEEL STEERING SYSTEM - Check travel.		
ALL	61	MAIN AND NOSE LANDING GEAR ASSY - Check for condition.		
ALL	62	WHEELS AND TIRES - Check for wear, condition & tire pressure.		
ALL	63	WHEEL BEARINGS - Check and repack.		
ALL	64	CLAMPING SPRING LEG TIES, RUBBER SPACER, BOLTS - Check for locking & wear.		
ALL	65	BRAKE LININGS - Check for wear.		
ALL	66	BRAKE DISC - Check for wear & warpage.		
ALL	67	BRAKE SYSTEM PLUMBING - Check for security, leaks, hoses for bulges & deterioration.		
ALL	68	NOSE WHEEL STEERING DISCONNECT AND SELF CENTERING - Check.		

ACFT TYPE		FLIGHT CONTROLS	MECH	INSP
ALL	69	AILERON - Check hinges, bell crank, stop blocks for looseness and/or jam for tightness, linkage & bolt for condition, operation, security & travel.		
ALL	70	AILERON CABLES - Check for tension, corrosion, fraying & turnbuckles for safety.		
ALL	71	RUDDER - Check hinges, torque tube, stop blocks for looseness, security & safety; Check travel. **(SB 62)**		
ALL	72	RUDDER TRIM TAB - Check for security, condition, linkage & travel.		
ALL	73	RUDDER TRIM TAB ACTUATOR - Check travel & mounting for security.		
ALL	74	RUDDER AND RUDDER TRIM TAB CABLES - Check for tension, corrosion, fraying & turnbuckles for safety.		
ALL	75	FLAPS - Check linkage, bell cranks, hinges, pulleys & cables for condition, tension & security.		
ALL	76	FLAP MOTOR AND POSITION INDICATOR - Check for travel, condition & security.		
ALL	77	STABILATOR - Check rods, horn, stop blocks for security & safety; Check travel.		
ALL	78	STABILATOR TRIM TAB - Check hinges for cracks, wear & tab travel.		
ALL	79	STABILATOR TRIM TAB AND ACTUATOR - Check for travel condition & security; Check push rod for condition.		
ALL	80	STABILATOR AND STABILATOR TRIM TAB CABLES - Check tension, corrosion, fraying & turnbuckles for safety.		
ALL	81	AUTOPILOT (If installed) - Check cables, pulleys & turnbuckles for tension, condition, operation & security.		
ALL	82	EMPENNAGE DE-ICE BOOTS (If installed) - Check for condition & security.		

ACFT TYPE		PROPELLER	MECH		INSP
			LEFT	RIGHT	
ALL	83	BLADES - Check for nicks, cracks & scratches.			
ALL	84	BLADES - Check for tightness in hub.			
ALL	85	BULKHEAD - Check for cracks & security on crankshaft.			
ALL	86	PROPELLER SPINNERS - Wash, check for cracks and fractures.			
ALL	87	PROPELLER HUB - Check for oil leaks & cracks.			

DOI - PARTENAVIA P68 OBSERVER SERIES - ANNUAL INSPECTION

ACFT TYPE		PROPELLER CONTINUED	MECH		INSP
			LEFT	RIGHT	
ALL	88	PROPELLER MOUNTING - Check nuts for security & lock wire.			
ALL	89	PROPELLER AIR PRESSURE - Check for proper pressure.			
ALL	90	DE-ICE SYSTEM ELECTRICAL LEADS AND BRUSHES - Check for condition, security, wear & seating of brushes.			
ALL	91	PROPELLER CONTROL MECHANISMS - Check for improper operation, insecure mounting and restricted travel.			
ALL	92	LUBRICATION - As per lubrication charts.			

ACFT TYPE		ENGINE GROUP	MECH		INSP
			LEFT	RIGHT	
ALL	93	COWLINGS - Clean, check for cracks, evidence of abrasion & wear.			
ALL	94	ALTERNATE AIR SOURCE AND BOXES - Check for condition & obstructions. Check that valve swings freely and seals tightly.			
ALL	95	ENGINE BREATHER TUBES - Inspect for obstruction, chaffing & security.			
OBSERVER	96	ENGINE AIR INTAKE SYSTEM - Inspect all components for security, wear and any deformation. Replace air intake filter P/N BA-161.			
ALL	97	EXHAUST PIPES, MUFFLER AND HEAT EXCHANGER (As applicable) - Inspect for cracks, bulges, condition & security. Remove shrouds & inspect.			
OBSERVER 2	98	EXHAUST SYSTEM - Check attaching flanges at exhaust parts on cylinder for evidence of leakage.			
ALL	99	CABIN HEATING AIR HOSES (As applicable) - Check for condition.			
ALL	100	FLEXIBLE FUEL AND OIL LINES - Check fuel lines under pressure. Check for deterioration, leaks, discoloration & condition.			
ALL	101	AIR INLET DUCT SLEEVE - Check for condition.			
ALL	102	INDUCTION AIR FILTER - Clean, replace if required.			
ALL	103	OIL COOLER - Clean external surface & check fins.			
ALL	104	ALTERNATOR MOUNT AND DRIVE BELT - Check for condition, security, wiring & belt tension.			
ALL	105	ENGINE AND ACCESSORIES - Clean engine, check for security and mounting of accessories.			
OBSERVER	106	ENGINE OIL SAMPLE - Take oil sample.			
ALL	107	ENGINE OIL - Change.			
ALL	108	ENGINE OIL AND FILTER - Drain oil sump, remove oil filter, cut open filter & element, inspect for metal. Inspect & clean suction screen. Install new filter & service with appropriate grade & quantity oil.			
ALL	109	ENGINE WIRING AND GROUNDS - Check condition, routing & connections.			
ALL	110	ENGINE CYLINDERS, ROCKER BOX COVERS AND PUSHROD HOUSINGS - Check for fin damage, cracks, oil leakage, security of attachment & general condition.			
OBSERVER	111	ENGINE BAFFLES AND SEALS - Check condition & security of attachment.			
ALL	112	CYLINDER - Check visually for cracked or broken fins.			
ALL	113	CYLINDER COMPRESSION - Perform differential compression test & record. Inspect for exhaust valve leakage.			
		LH ENG #1-_____ #2-_____ #3-_____ #4-_____ #5-_____ #6-_____			
		RH ENG #1-_____ #2-_____ #3-_____ #4-_____ #5-_____ #6-_____			
ALL	114	MAGNETOS - Check external condition, security & electrical leads for condition. Check timing to engine. Check magneto internal timing if engine timing requires adjustment more than two degrees.			

DOI - PARTENAVIA P68 OBSERVER SERIES - ANNUAL INSPECTION

ACFT TYPE		ENGINE GROUP CONTINUED	MECH		INSP
			LEFT	RIGHT	
ALL	115	IGNITION HARNESS AND INSULATORS - Check for security, proper routing, deterioration & condition of terminals.			
ALL	116	SPARK PLUGS - Remove, clean, analyze, gap, test & reinstall in rotation.			
ALL	117	SPARK PLUG LEADS OF CABLE - Examine for corrosion and deposits.			
ALL	118	FUEL INJECTION SYSTEM (If equipped)- Check fuel injector nozzles for looseness, (60"lbs.) Check for leakage, security of lines IAW **AD 2011-26-04 (SB 342E).**			
ALL	119	ENGINE MOUNTS AND BOLTS - Check mount for condition, cracks & security of attachment. Check mount bolts & bushings for security & wear.			
OBSERVER	120	AIR DUCTING AND CONNECTIONS IN TURBOCHARGER SYSTEM - Inspect for leaks. Check at manifold connections to turbine inlet & at engine exhaust manifold gasket for possible leakage.			
OBSERVER	121	TURBOCHARGER - Check for dirt or dust build-up within turbocharger. Check for uneven deposits on the impeller. Check fluid lines & mounting brackets for leaks tightness or damage.			
OBSERVER	122	TURBOCHARGER ACTUATOR - Check the linkage for dirt or interference which may impair operation. Check the vent line for leakage.			
OBSERVER	123	ENGINE NACELLE - Inspect engine mount / wing attach bracket structure.			
ALL	124	ENGINE CONTROLS - Inspect control cables for travel, security, condition & operation.			
ALL	125	ENGINE AND NACELLE SYSTEMS - Check for improper installation, poor general condition, defects, and insecure attachment.			

ACFT TYPE		HEATING SYSTEM - JANITROL (If installed)	MECH	INSP
ALL	126	VENTILATION AIR AND COMBUSTION AIR INLETS AND OUTLETS - Inspect for restriction & security on the aircraft skin line.		
ALL	127	DRAIN LINE - Check if free of obstructions.		
ALL	128	FUEL LINES - Check for security at joints & shrouds & evidence of leakage.		
ALL	129	ELECTRICAL WIRING - Inspect terminal block& components for loose connections, chafing of insulation & security of attach points.		
ALL	130	HI-VOLTAGE CABLE - Inspect cable sheath for arcing & igniter for security.		
ALL	131	HI-VOLTAGE CABLE - Examine the cable sheath for any possible indication of arcing.		
ALL	132	COMBUSTION AIR BLOWER ASSEMBLY - Inspect for security of mounting; security of connection tubing and wiring.		

ACFT TYPE		AIR CONDITIONING SYSTEM (If installed)	MECH	INSP
OBSERVER 2	133	COOLING SYSTEM - Check cowlings and baffles for damage and security of attachment.		
ALL	134	COMPRESSOR LINES - Check all lines for leaks, cracks & condition.		
ALL	135	COMPRESSOR AND MOTOR - Check condition & security.		
ALL	136	CONDENSER - Check inlets & outlets for obstructions, check coils for debris.		
ALL	137	HYDRAULIC LINES - Check for leaks, security & condition.		
ALL	138	FLUID CHARGE - Check.		
ALL	139	CONDENSER AND EVAPORATOR FANS - Check blades for nicks, looseness & security.		
ALL	140	CONDENSER FAN MOTOR BRUSHES - Visually check.		
ALL	141	ELECTRICAL LEADS - Check for physical damage & broken insulation.		

DOI - PARTENAVIA P68 OBSERVER SERIES - ANNUAL INSPECTION

ACFT TYPE		SPECIAL INSPECTION	MECH	INSP
ALL	142	HORIZONTAL STABILATOR SKIN - Check for damage, loose rivets, cracks or dents.		
ALL	143	STABILATOR TRIM TAB SKIN - Check for damage, loose rivets, cracks or dents.		
ALL	144	STABILATOR TRIM TAB HINGES - Check for condition.		
ALL	145	STABILATOR ADDITIONAL MASS BALANCE WEIGHTS (If applicable) - Check for security of attachment.		
ALL	146	STABILATOR TRIM TAB CONTROL RODS - Check for damage, deformation or corrosion.		
ALL	147	STABILATOR TRIM TAB FREE PLAY - Maximum allowed value: 0.1inch (2.54 mm)		
ALL	148	HORIZONTAL AND VERTICAL STABILATOR BACKLASH - Not allowed.		
NOTE: Any damage found during this inspection must be communicated to Vulcanair. Repairs of damage not requiring specific engineering may be accomplished by standard methods; In all other cases the relevant Vulcanair approved repair scheme must be				
ALL	149	Each person performing this inspection shall inspect (where applicable) each installed miscellaneous item that is not otherwise covered by this listing for improper installation and improper operation.		

ACFT TYPE		OPERATIONAL CHECK AND POST INSPECTION	MECH	INSP
ALL	150	ACCESS COVERS, FAIRINGS AND COWLINGS - Assure their proper reinstallation.		
ALL	151	ENGINE RUN-UP - Perform an operational check of the engine, engine instruments & other systems. Inspect the engine compartment following the operational check for leaks or abnormalities. Taxi check the operation of the brakes.		

This inspection check list is derived from the requirements of the appropriate aircraft, engine and component manufacturers Maintenance Manuals, Service Publications and STC instructions for continued airworthiness.

DOI - PARTENAVIA P68 OBSERVER SERIES - ANNUAL INSPECTION

ZONE	ACFT TYPE		SUPPLEMENTAL ANNUAL INSPECTION REQUIREMENTS	MECH	INSP
ARCTIC		152			
ARCTIC		153			
ARCTIC		154			
ARCTIC		155			
ARCTIC		156			
ARCTIC		157			
ARCTIC		158			
ARCTIC		159			
ARCTIC		160			
ARCTIC		161			
ARCTIC		162			
ARCTIC		163			
ARCTIC		164			
ARCTIC		165			
TEMPERATE		166			
TEMPERATE		167			
TEMPERATE		168			
TEMPERATE		169			
TEMPERATE		170			
TEMPERATE		171			
TEMPERATE		172			
TEMPERATE		173			
TEMPERATE		174			
TEMPERATE		175			
TEMPERATE		176			
TEMPERATE		177			
TEMPERATE		178			
TEMPERATE		179			
TEMPERATE		180			
	ALL	181	All panels opened for the inspection are closed and secure.		
	ALL	182	Run aircraft engine and leak check.		

DOI - PARTENAVIA P68 OBSERVER SERIES - ANNUAL INSPECTION

NOTES:

ASSURE PROPER MAINTENANCE RECORD ENTRIES HAVE BEEN MADE IAW 14 CFR 43.9

THE AIRCRAFT RECORDS CONSIST OF THE FOLLOWING;

1. AIRCRAFT, ENGINE & PROPELLER HARD LOGS.
2. ALL FORM 337'S, MAJOR REPAIR & ALTERATION.
3. COMPLIANCE LIST OF ALL PERTINENT AIRWORTHINESS DIRECTIVES.
4. MAINTENANCE SCHEDULE- LIST OF REQUIRED SPECIAL INSPECTIONS, COMPONENT OVERHAUL & TIME-LIFE LIMITS.
5. CURRENT & HISTORICAL WEIGHT & BALANCE STATUS & EQUIPMENT LIST
7. MINIMUM EQUIPMENT LIST AS REQUIRED.
8. SPECIAL FLIGHT AUTHORIZATIONS AND/OR SUPPLEMENTS

UNITED STATES DEPARTMENT OF THE INTERIOR

PARTENAVIA P68 SERIES

500 HOUR SCHEDULED MAINTENANCE CHECKS

THE INSPECTION WORK SHEETS / PACKAGES IN THIS DOCUMENT ARE FOR THE 'UNITED STATES DEPARTMENT OF THE INTERIOR' AIRCRAFT ONLY.

Inspection Sheet - Block Explanation

Example

ACFT TYPE		EXAMPLE INSPECTION REQUIREMENTS	MECH	INSP
ALL	1	BATTERY - Check electrolyte & general condition & security. Check cables for corrosion, condition & security.		
OBSERVER	2	ENGINE AIR INTAKE SYSTEM - Inspect all components for security, wear and any deformation. Replace air intake filter P/N BA-161.	N/A	
OBSERVER 2	3	EXHAUST SYSTEM - Check attaching flanges at exhaust parts on cylinder for evidence of leakage.		
A	**B**	**C**	**D**	**E**

Block A ALL - All Partenavia P68 Series Aircraft
OBSERVER - P68TC Observer
OBSERVER 2 - P68 Observer 2

Block B Each inspection and task is given a line item number in the 2nd column.

Block C Describes inspection tasks.

Block D Mechanic sign-off block. N/A (Not Applicable) - should be used if the inspection cannot or should not be carried out due to (but not limited to) - 1. Serial number range. 2. Unit or option not installed on aircraft. 3. Previously complied with. 4. Climate zone applicability. A note beside the N/A to indicate the reason for it is recommended.

Block E The (white) INSP block should be initialed by an inspector who witnessed the task carried out by the mechanic and completed a final inspection and/or functional check in accordance with the line item requirements and relevant technical publications. The inspector shall not initial the INSP block until after the mechanic has initialed the MECH block. In a block that requires a Maintenance Inspector, he shall initial the white INSP block whenever N/A has been entered in the MECH block.

Climate Zone Supplemental Inspections and Servicing

Before commencing inspection and servicing, it must be confirmed which climate zone the subject aircraft is operated in. If the aircraft is above the 49th parallel it is in the Arctic Zone. If the aircraft is below the 49th parallel it is in the Temperate zone. The extra line items listed for the appropriate climate zone shall be added to the servicing, the not applicable climate zone line items shall be noted as N/A in the sign-off block.

Inspections: To be completed in accordance with this manual.

Repairs: To be completed in accordance with the appropriate Partenavia Maintenance Manual.

Acronyms in use

IAW - In Accordance With
CPCP - Corrosion Prevention and Control Program
NDI - Non Destructive Inspection
ICA - Inspection for Continued Airworthiness
STC - Supplemental Type Certificate
PSE - Principle Structural Element
N/A - Not Applicable (see MECH Block D above)
OEM - Original Equipment Manufacturer

DOI - PARTENAVIA P68 OBSERVER SERIES - 500 HOUR INSPECTION

'N' NUMBER:_____ MODEL: _____ AIRCRAFT S/N:_____

TACH HOURS:_____ AIRCRAFT TOTAL TIME:_____ ENG. SMOH:_____ PROP SMOH:_____

ACFT TYPE		**SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES**	MECH	INSP
ALL	1	MANUFACTURER SERVICE BULLETINS - Check that all Bulletins complied with, at the governments request, are documented into the aircraft log books.		
ALL	2	AIRWORTHINESS DIRECTIVES - Check that all AD's have been complied with or determined to be not applicable and documented into the aircraft log books as such.		
ALL	3	LOG BOOK ENTRIES / FORM 337 / WEIGHT AND BALANCE - Ensure all maintenance record entries required by Federal Aviation Regulations are completed prior to returning the aircraft to service.		

ACFT TYPE		**AIRFRAME**	MECH	INSP
ALL	4	WING SPAR AND RIBS -Check for condition.		
ALL	5	FUEL TANKS - Drain, clean and inspect for general condition and security.		
ALL	6	AIR PUMP REGULATOR FILTERS		

ACFT TYPE		**LANDING GEAR**	MECH	INSP
ALL	7	WHEEL ALIGNMENT		

ACFT TYPE		**FAN HEATER INSTALLATION - (If installed)**	MECH	INSP
OBSERVER	8	FAN HEATER - Check brackets for cracks, security & proper installation.		
OBSERVER	9	CABIN HEATING AIR HOSES - Check for condition.		

DOI - PARTENAVIA P68 OBSERVER SERIES - 500 HOUR INSPECTION

ZONE	ACFT TYPE		SUPPLEMENTAL 500 HOUR INSPECTION REQUIREMENTS	MECH	INSP
ARCTIC		10			
ARCTIC		11			
ARCTIC		12			
ARCTIC		13			
ARCTIC		14			
ARCTIC		15			
ARCTIC		16			
ARCTIC		17			
ARCTIC		18			
ARCTIC		19			
ARCTIC		20			
ARCTIC		21			
ARCTIC		22			
ARCTIC		23			
TEMPERATE		24			
TEMPERATE		25			
TEMPERATE		26			
TEMPERATE		27			
TEMPERATE		28			
TEMPERATE		29			
TEMPERATE		30			
TEMPERATE		31			
TEMPERATE		32			
TEMPERATE		33			
TEMPERATE		34			
TEMPERATE		35			
TEMPERATE		36			
TEMPERATE		37			
TEMPERATE		38			
	ALL	39	All panels opened for the inspection are closed and secure.		
	ALL	40	Run aircraft engine and leak check.		

DOI - PARTENAVIA P68 OBSERVER SERIES - 500 HOUR INSPECTION

NOTES:

ASSURE PROPER MAINTENANCE RECORD ENTRIES HAVE BEEN MADE IAW 14 CFR 43.9

THE AIRCRAFT RECORDS CONSIST OF THE FOLLOWING;

1. AIRCRAFT, ENGINE & PROPELLER HARD LOGS.
2. ALL FORM 337'S, MAJOR REPAIR & ALTERATION.
3. COMPLIANCE LIST OF ALL PERTINENT AIRWORTHINESS DIRECTIVES.
4. MAINTENANCE SCHEDULE- LIST OF REQUIRED SPECIAL INSPECTIONS, COMPONENT OVERHAUL & TIME-LIFE LIMITS.
5. CURRENT & HISTORICAL WEIGHT & BALANCE STATUS & EQUIPMENT LIST
7. MINIMUM EQUIPMENT LIST AS REQUIRED.
8. SPECIAL FLIGHT AUTHORIZATIONS AND/OR SUPPLEMENTS

UNITED STATES DEPARTMENT OF THE INTERIOR

PARTENAVIA P68 SERIES

1000 HOUR SCHEDULED MAINTENANCE CHECKS

THE INSPECTION WORK SHEETS / PACKAGES IN THIS DOCUMENT ARE FOR THE 'UNITED STATES DEPARTMENT OF THE INTERIOR' AIRCRAFT ONLY.

Inspection Sheet - Block Explanation

Example

ACFT TYPE		EXAMPLE INSPECTION REQUIREMENTS	MECH	INSP
ALL	1	BATTERY - Check electrolyte & general condition & security. Check cables for corrosion, condition & security.		
OBSERVER	2	ENGINE AIR INTAKE SYSTEM - Inspect all components for security, wear and any deformation. Replace air intake filter P/N BA-161.	N/A	
OBSERVER 2	3	EXHAUST SYSTEM - Check attaching flanges at exhaust parts on cylinder for evidence of leakage.		
A	**B**	**C**	**D**	**E**

Block A ALL - All Partenavia P68 Series Aircraft
OBSERVER - P68TC Observer
OBSERVER 2 - P68 Observer 2

Block B Each inspection and task is given a line item number in the 2nd column.

Block C Describes inspection tasks.

Block D Mechanic sign-off block. N/A (Not Applicable) - should be used if the inspection cannot or should not be carried out due to (but not limited to) - 1. Serial number range. 2. Unit or option not installed on aircraft. 3. Previously complied with. 4. Climate zone applicability. A note beside the N/A to indicate the reason for it is recommended.

Block E The (white) INSP block should be initialed by an inspector who witnessed the task carried out by the mechanic and completed a final inspection and/or functional check in accordance with the line item requirements and relevant technical publications. The inspector shall not initial the INSP block until after the mechanic has initialed the MECH block. In a block that requires a Maintenance Inspector, he shall initial the white INSP block whenever N/A has been entered in the MECH block.

Climate Zone Supplemental Inspections and Servicing

Before commencing inspection and servicing, it must be confirmed which climate zone the subject aircraft is operated in. If the aircraft is above the 49th parallel it is in the Arctic Zone. If the aircraft is below the 49th parallel it is in the Temperate zone. The extra line items listed for the appropriate climate zone shall be added to the servicing, the not applicable climate zone line items shall be noted as N/A in the sign-off block.

Inspections: To be completed in accordance with this manual.

Repairs: To be completed in accordance with the appropriate Partenavia Maintenance Manual.

Acronyms in use

IAW - In Accordance With
CPCP - Corrosion Prevention and Control Program
NDI - Non Destructive Inspection
ICA - Inspection for Continued Airworthiness
STC - Supplemental Type Certificate
PSE - Principle Structural Element
N/A - Not Applicable (see MECH Block D above)
OEM - Original Equipment Manufacturer

DOI - PARTENAVIA P68 OBSERVER SERIES - 1000 HOUR INSPECTION

'N' NUMBER:_____ MODEL: _____ AIRCRAFT S/N:_____

TACH HOURS:_____ AIRCRAFT TOTAL TIME:_____ ENG. SMOH:_____ PROP SMOH:_____

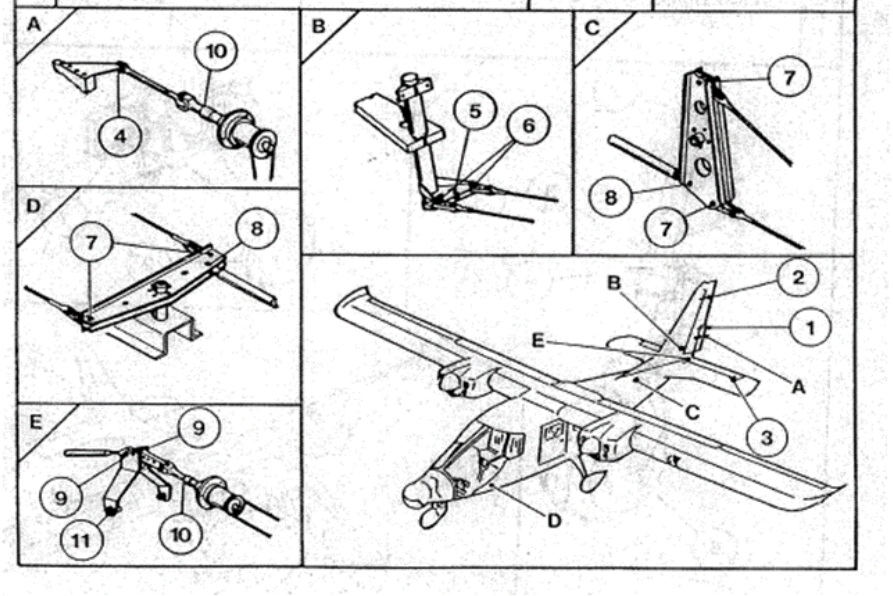
ACFT TYPE		SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES	MECH	INSP
ALL	1	MANUFACTURER SERVICE BULLETINS - Check that all Bulletins complied with, at the governments request, are documented into the aircraft log books.		
ALL	2	AIRWORTHINESS DIRECTIVES - Check that all AD's have been complied with or determined to be not applicable and documented into the aircraft log books as such.		
ALL	3	LOG BOOK ENTRIES / FORM 337 / WEIGHT AND BALANCE - Ensure all maintenance record entries required by Federal Aviation Regulations are completed prior to returning the aircraft to service.		

ACFT TYPE		AIRFRAME	MECH	INSP
ALL	4	STABILATOR TORQUE TUBE - Remove and check for cracks, distortion of corrosion by non destructive methods.		
ALL	5	WING/FUSELAGE ATTACHMENT BOLTS AND BRACKETS - Check for condition.		

ACFT TYPE		LUBRICATION	MECH	INSP
ALL	6	LUBRICATION - As per lubrication chart 1000 Hour and "AS REQUIRED/NECESSARY" Frequency.		

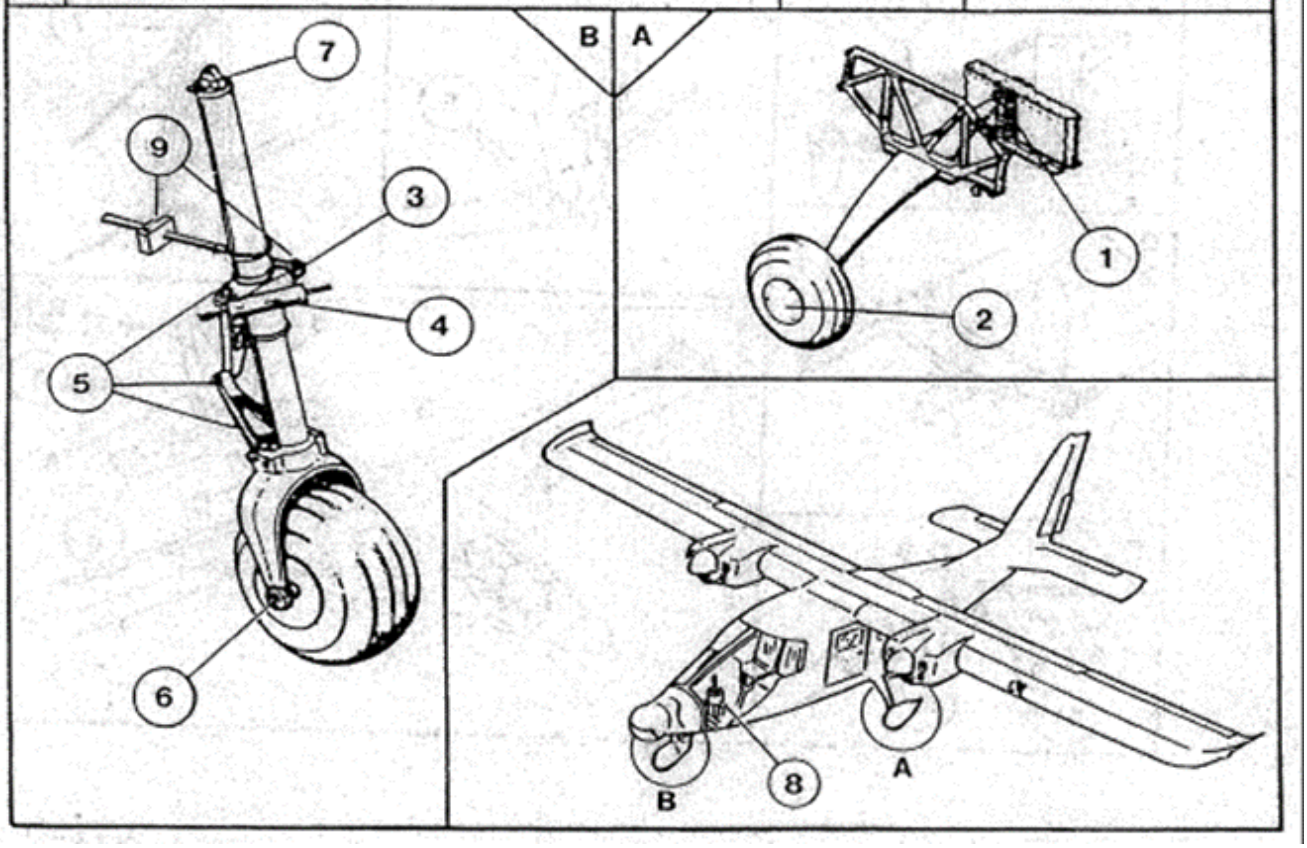
LUBRICATION CHARTS (Control System)

No.	LUBRICATION POINTS	FREQUENCY	INSTRUCTION
1	Rudder trim tab hinges	100 HRS	Hand Lubrication
2	Rudder hinge	100 HRS	"
3	Stabilator trim tab hinges	100 HRS	"
4	Rudder trim control lever	100 HRS	"
5	Rudder hinge	100 HRS	"
6	Rudder control cable ends	100 HRS	"
7	Stabilator control cable ends	500 HRS	"
8	Stabilator control rod end	500 HRS	"
9	Stabilator trim tab horn	100 HRS	"
10	Stabilator and rudder tab actuator screws	1000 HRS	"
11	Stabilator trim tab control horn bushing	500 HRS	"



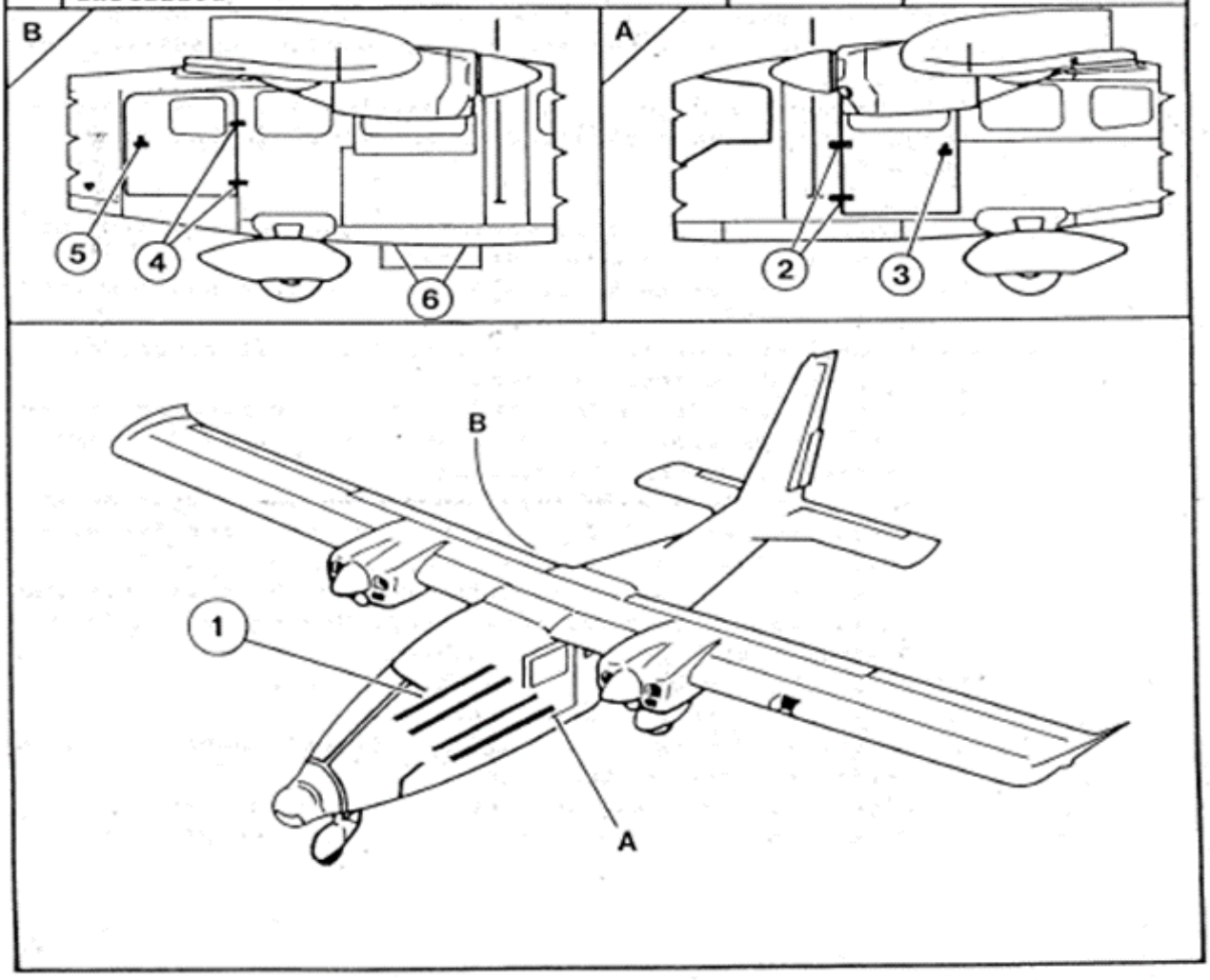
LUBRICATION CHARTS (Landing Gear)

No.	LUBRICATION POINTS	FREQUENCY	INSTRUCTION
1	Main gear attachment bracket	500 HRS	Hand Lubrication
2	Main gear wheel bearings	100 HRS	Hand Lubrication
3	Nose gear steering lever	100 HRS	Gease gun Lubrication
4	Shimmy dampener	100 HRS	Hand Lubrication
5	Torque link	100 HRS	Grease gun Lubrication
6	Nose gear wheel bearings	100 HRS	Hand Lubrication
7	Nose gear strut filler point	As required	Filling
8	Brake cylinders	200 HRS	Check and refill if necessary
9	Steering disconnect	100 HRS	Grease gun Lubrication



LUBRICATION CHARTS (Cabin Door, Baggage Door & Seats)

No.	LUBRICATION POINTS	FREQUENCY	INSTRUCTION
1	Seat adjustment	As necessary	Hand Lubrication
2	Main door hinges	"	"
3	Latch mechanism	"	"
4	Baggage door hinges	"	"
5	Latch mechanism	"	"
6	Hatch doors and latch mechanism if installed	"	"



DOI - PARTENAVIA P68 OBSERVER SERIES - 1000 HOUR INSPECTION

ZONE	ACFT TYPE		SUPPLEMENTAL 1000 HOUR INSPECTION REQUIREMENTS	MECH	INSP
ARCTIC		7			
ARCTIC		8			
ARCTIC		9			
ARCTIC		10			
ARCTIC		11			
ARCTIC		12			
ARCTIC		13			
ARCTIC		14			
ARCTIC		15			
ARCTIC		16			
ARCTIC		17			
ARCTIC		18			
ARCTIC		19			
ARCTIC		20			
TEMPERATE		21			
TEMPERATE		22			
TEMPERATE		23			
TEMPERATE		24			
TEMPERATE		25			
TEMPERATE		26			
TEMPERATE		27			
TEMPERATE		28			
TEMPERATE		29			
TEMPERATE		30			
TEMPERATE		31			
TEMPERATE		32			
TEMPERATE		33			
TEMPERATE		34			
TEMPERATE		35			
	ALL	36	All panels opened for the inspection are closed and secure.		
	ALL	37	Run aircraft engine and leak check.		

DOI - PARTENAVIA P68 OBSERVER SERIES - 1000 HOUR INSPECTION

NOTES:

ASSURE PROPER MAINTENANCE RECORD ENTRIES HAVE BEEN MADE IAW 14 CFR 43.9

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7. MINIMUM EQUIPMENT LIST AS REQUIRED.
8. SPECIAL FLIGHT AUTHORIZATIONS AND/OR SUPPLEMENTS

UNITED STATES DEPARTMENT OF THE INTERIOR

PARTENAVIA P68 SERIES

2 YEAR SCHEDULED MAINTENANCE CHECKS

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Inspection Sheet - Block Explanation

Example

ACFT TYPE		EXAMPLE INSPECTION REQUIREMENTS	MECH	INSP
ALL	1	BATTERY - Check electrolyte & general condition & security. Check cables for corrosion, condition & security.		
OBSERVER	2	ENGINE AIR INTAKE SYSTEM - Inspect all components for security, wear and any deformation. Replace air intake filter P/N BA-161.	N/A	
OBSERVER 2	3	EXHAUST SYSTEM - Check attaching flanges at exhaust parts on cylinder for evidence of leakage.		
A	**B**	**C**	**D**	**E**

Block A ALL - All Partenavia P68 Series Aircraft
OBSERVER - P68TC Observer
OBSERVER 2 - P68 Observer 2

Block B Each inspection and task is given a line item number in the 2nd column.

Block C Describes inspection tasks.

Block D Mechanic sign-off block. N/A (Not Applicable) - should be used if the inspection cannot or should not be carried out due to (but not limited to) - 1. Serial number range. 2. Unit or option not installed on aircraft. 3. Previously complied with. 4. Climate zone applicability. A note beside the N/A to indicate the reason for it is recommended.

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Climate Zone Supplemental Inspections and Servicing

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NDI - Non Destructive Inspection
ICA - Inspection for Continued Airworthiness
STC - Supplemental Type Certificate
PSE - Principle Structural Element
N/A - Not Applicable (see MECH Block D above)
OEM - Original Equipment Manufacturer

DOI - PARTENAVIA P68 OBSERVER SERIES - 2 YEAR INSPECTION

'N' NUMBER:_____ MODEL: _____ AIRCRAFT S/N:_____

TACH HOURS:_____ AIRCRAFT TOTAL TIME:_____ ENG. SMOH:_____ PROP SMOH:_____

ACFT TYPE		**SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES**	MECH	INSP
ALL	1	MANUFACTURER SERVICE BULLETINS - Check that all Bulletins complied with, at the governments request, are documented into the aircraft log books.		
ALL	2	AIRWORTHINESS DIRECTIVES - Check that all AD's have been complied with or determined to be not applicable and documented into the aircraft log books as such.		
ALL	3	LOG BOOK ENTRIES / FORM 337 / WEIGHT AND BALANCE - Ensure all maintenance record entries required by Federal Aviation Regulations are completed prior to returning the aircraft to service.		

ACFT TYPE		**AIRFRAME**	MECH	INSP
ALL	4	PITOT STATIC SYSTEM - Check for obstructions. Inspect altimeter IAW **FAR 91.413 2 Yrs. and FAR 91.411 2 yrs.**		
ALL	5	ALTIMETER - Inspect as required by **FAR Part 91 paragraph 91.170** IAW **FAR Part 43 Appendix E**, by authorized repair station.		
ALL	6	WING SPAR AND RIBS -Check for condition.		
ALL	7	FUEL TANKS - Drain, clean and inspect for general condition and security.		

ACFT TYPE		**LANDING GEAR**	MECH	INSP
ALL	8	WHEEL ALIGNMENT		

ACFT TYPE		**ENGINE GROUP**	MECH		INSP
			LEFT	RIGHT	
ALL	9	OIL COOLER - Remove and wash inside.			

ACFT TYPE		**FAN HEATER INSTALLATION - (If installed)**	MECH	INSP
OBSERVER	10	FAN HEATER - Check brackets for cracks, security & proper installation.		
OBSERVER	11	CABIN HEATING AIR HOSES - Check for condition.		

DOI - PARTENAVIA P68 OBSERVER SERIES - 2 YEAR INSPECTION

ZONE	ACFT TYPE		SUPPLEMENTAL 2 YEAR INSPECTION REQUIREMENTS	MECH	INSP
ARCTIC		12			
ARCTIC		13			
ARCTIC		14			
ARCTIC		15			
ARCTIC		16			
ARCTIC		17			
ARCTIC		18			
ARCTIC		19			
ARCTIC		20			
ARCTIC		21			
ARCTIC		22			
ARCTIC		23			
ARCTIC		24			
ARCTIC		25			
TEMPERATE		26			
TEMPERATE		27			
TEMPERATE		28			
TEMPERATE		29			
TEMPERATE		30			
TEMPERATE		31			
TEMPERATE		32			
TEMPERATE		33			
TEMPERATE		34			
TEMPERATE		35			
TEMPERATE		36			
TEMPERATE		37			
TEMPERATE		38			
TEMPERATE		39			
TEMPERATE		40			
	ALL	41	All panels opened for the inspection are closed and secure.		
	ALL	42	Run aircraft engine and leak check.		

DOI - PARTENAVIA P68 OBSERVER SERIES - 2 YEAR INSPECTION

NOTES:

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5. CURRENT & HISTORICAL WEIGHT & BALANCE STATUS & EQUIPMENT LIST
7. MINIMUM EQUIPMENT LIST AS REQUIRED.
8. SPECIAL FLIGHT AUTHORIZATIONS AND/OR SUPPLEMENTS

UNITED STATES DEPARTMENT OF THE INTERIOR

PARTENAVIA P68 SERIES

3 YEAR SCHEDULED MAINTENANCE CHECKS

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Inspection Sheet - Block Explanation

Example

ACFT TYPE		EXAMPLE INSPECTION REQUIREMENTS	MECH	INSP
ALL	1	BATTERY - Check electrolyte & general condition & security. Check cables for corrosion, condition & security.		
OBSERVER	2	ENGINE AIR INTAKE SYSTEM - Inspect all components for security, wear and any deformation. Replace air intake filter P/N BA-161.	N/A	
OBSERVER 2	3	EXHAUST SYSTEM - Check attaching flanges at exhaust parts on cylinder for evidence of leakage.		
A	**B**	**C**	**D**	**E**

Block A ALL - All Partenavia P68 Series Aircraft
OBSERVER - P68TC Observer
OBSERVER 2 - P68 Observer 2

Block B Each inspection and task is given a line item number in the 2nd column.

Block C Describes inspection tasks.

Block D Mechanic sign-off block. N/A (Not Applicable) - should be used if the inspection cannot or should not be carried out due to (but not limited to) - 1. Serial number range. 2. Unit or option not installed on aircraft. 3. Previously complied with. 4. Climate zone applicability. A note beside the N/A to indicate the reason for it is recommended.

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STC - Supplemental Type Certificate
PSE - Principle Structural Element
N/A - Not Applicable (see MECH Block D above)
OEM - Original Equipment Manufacturer

DOI - PARTENAVIA P68 OBSERVER SERIES - 3 YEAR INSPECTION

'N' NUMBER:_____ MODEL: _____ AIRCRAFT S/N:_____

TACH HOURS:_____ AIRCRAFT TOTAL TIME:_____ ENG. SMOH:_____ PROP SMOH:_____

ACFT TYPE		**SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES**	MECH	INSP
ALL	1	MANUFACTURER SERVICE BULLETINS - Check that all Bulletins complied with, at the governments request, are documented into the aircraft log books.		
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ALL	3	LOG BOOK ENTRIES / FORM 337 / WEIGHT AND BALANCE - Ensure all maintenance record entries required by Federal Aviation Regulations are completed prior to returning the aircraft to service.		

ACFT TYPE		**AIRFRAME**	MECH	INSP
ALL	4	STABILATOR TORQUE TUBE - Remove and check for cracks, distortion of corrosion by non destructive methods.		
ALL	5	WING/FUSELAGE ATTACHMENT BOLTS AND BRACKETS - Check for condition.		

DOI - PARTENAVIA P68 OBSERVER SERIES - 3 YEAR INSPECTION

ZONE	ACFT TYPE		SUPPLEMENTAL 3 YEAR INSPECTION REQUIREMENTS	MECH	INSP
ARCTIC		6			
ARCTIC		7			
ARCTIC		8			
ARCTIC		9			
ARCTIC		10			
ARCTIC		11			
ARCTIC		12			
ARCTIC		13			
ARCTIC		14			
ARCTIC		15			
ARCTIC		16			
ARCTIC		17			
ARCTIC		18			
ARCTIC		19			
TEMPERATE		20			
TEMPERATE		21			
TEMPERATE		22			
TEMPERATE		23			
TEMPERATE		24			
TEMPERATE		25			
TEMPERATE		26			
TEMPERATE		27			
TEMPERATE		28			
TEMPERATE		29			
TEMPERATE		30			
TEMPERATE		31			
TEMPERATE		32			
TEMPERATE		33			
TEMPERATE		34			
	ALL	35	All panels opened for the inspection are closed and secure.		
	ALL	36	Run aircraft engine and leak check.		

DOI - PARTENAVIA P68 OBSERVER SERIES - 3 YEAR INSPECTION

NOTES:

ASSURE PROPER MAINTENANCE RECORD ENTRIES HAVE BEEN MADE IAW 14 CFR 43.9

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5. CURRENT & HISTORICAL WEIGHT & BALANCE STATUS & EQUIPMENT LIST
7. MINIMUM EQUIPMENT LIST AS REQUIRED.
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